STR-K7000

SERVICE MANUAL

US Model

Ver. 1.0 2006. 03

- STR-K7000 is the multi channel AV receiver section in HT-7000DH.

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 6 ohm loads, both channels driven, from 120 – 20,000 Hz; rated 90 watts per channel minimum RMS power, with no more than 0.7 % total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Power Output [1)]
(6 ohms 1 kHz, THD 10 %)

FRONT [2)]:	140 W/ch
CENTER [2)]:	140 W
SUR [2)]:	140 W/ch

1) Measured under the following conditions:

Area code	Power requirements
US	120 V AC, 60 Hz

2) Depending on the sound field settings and the source, there may be no sound output.

Inputs (Analog)	
MULTI CH IN, SA-CD/CD, MD/TAPE, DVD, VIDEO 1, 2, 3	Sensitivity: 800 mV Impedance: 50 kohms

Inputs (Digital)	
DVD (Coaxial)	Sensitivity: — Impedance: 75 kohms
VIDEO 1, 2 (Optical)	Sensitivity: — Impedance: —

Outputs (Analog)	
MD/TAPE (OUT), VIDEO 1 (AUDIO OUT)	Voltage: 800 mV Impedance: 10 kohms
SUBWOOFER	Voltage: 2 V Impedance: 1 kohms

Reproduction frequency range:
28 – 20,000 Hz

Tone	
Gain levels	±6 dB, 1 dB step

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-150-01
2006C04-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY®

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range	
With 10-kHz tuning scale:	530 – 1,710 kHz 3)
With 9-kHz tuning scale:	531 – 1,710 kHz 3)
Antenna	Loop antenna
Intermediate frequency	450 kHz

3) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down TUNING MODE, press I/⏻. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs/Outputs	
Video:	1 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms P_B/C_B/B-Y: 0.7 Vp-p, 75 ohms P_R/C_R/R-Y: 0.7 Vp-p, 75 ohms 80 MHz HD Pass Through

General

Power requirements

Area code	Power requirements
US	120 V AC, 60 Hz

Power consumption

Area code	Power consumption
US	170 W

Power consumption (during standby mode)	0.2 W
Dimensions (w/h/d) (Approx.)	430 × 157.5 × 316 mm (16 7/8 × 6 2/8 × 12 4/8 inches) including projecting parts and controls
Mass (Approx.)	8.0 kg (17 lb 11 oz)

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

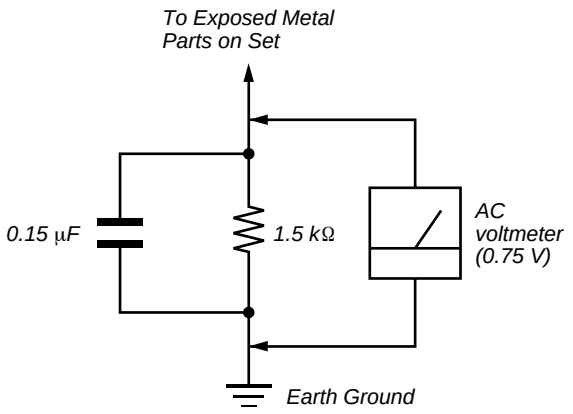

Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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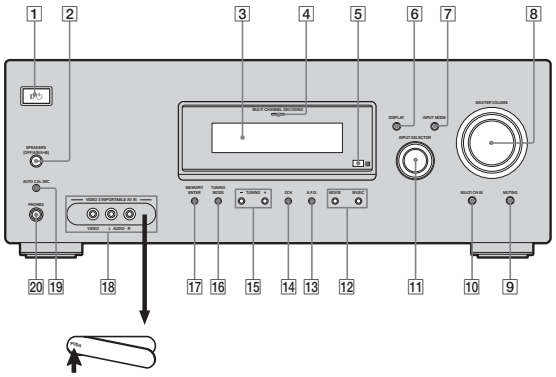
SECTION 1
GENERAL

This section is extracted from instruction manual.

Description and location of parts

Receiver

Front panel



To remove the cover
Press PUSH.
When you remove the cover, keep it out of reach from children.

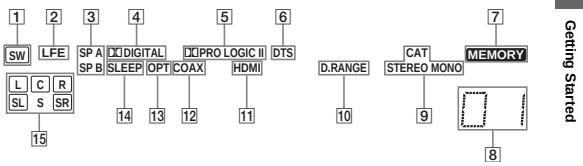
Name	Function
1 **I/⏻**	Press to turn the receiver on or off (page 29, 37, 38, 53, 79).
2 **SPEAKERS (OFF/A/B/A+B)**	Press to select OFF, A, B, A+B of the front speakers (page 30).
3 **Display**	The current status of the selected component or a list of selectable items appears here (page 7).
4 **MULTI CHANNEL DECODING lamp**	Lights up when multi channel audio is decoded (page 38).

continued

Name	Function
5 **Remote sensor**	Receives signals from remote commander.
6 **DISPLAY**	Press to select information displayed on the display (page 67).
7 **INPUT MODE**	Press to select the input mode when the same components are connected to both digital and analog jacks (page 64).
8 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time (page 34, 35, 37, 38).
9 **MUTING**	Press to mute the sound (page 35).
10 **MULTI CH IN**	Press to select the audio directly from the components connected to the MULTI CH IN jacks (page 35).
11 **INPUT SELECTOR**	Turn to select the input source to playback (page 35, 37, 38, 54, 56, 64, 66, 68).
12 **MOVIE, MUSIC**	Press to select sound fields (MOVIE, MUSIC) (page 50).
13 **A.F.D.**	Press to select A.F.D. mode (page 48).
14 **2CH**	Press to select 2CH STEREO mode (page 52, 53).
15 **TUNING +/–**	Press to scan a station (page 54, 55).
16 **TUNING MODE**	Press to select the tuning mode (page 56, 79).
17 **MEMORY/ENTER**	Press to store a station or enter the selection when selecting the settings (page 29).

Name	Function
18 **VIDEO 3 IN/ PORTABLE AV IN jacks**	To connect a camcorder or video game (page 27, 35).
19 **AUTO CAL MIC jack**	Connects to the supplied ECM-AC2 optimizer microphone for the Auto Calibration function (page 31).
20 **PHONES jack**	Connects to a headphone (page 75).

About the indicators on the display



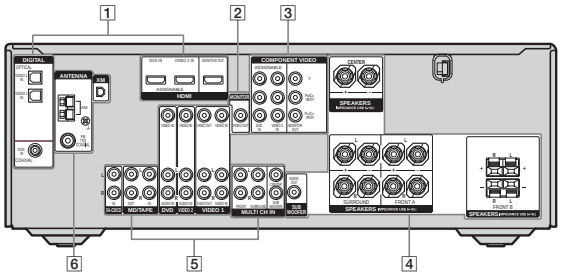
Name	Function
1 **SW**	Lights up when the audio signal is output from the SUB WOOFER jack.
2 **LFE**	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 **SP A/SP B**	Lights up according to the speaker system used. However, these indicators do not light up if the speaker output is turned off or if a headphone is connected.
4 **DIGITAL**	Lights up when Dolby Digital signals are input. **Note** When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 64).
5 **PRO LOGIC (II)**	Lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "PRO LOGIC II" lights up when the Pro Logic II Movie or Music decoder is activated. **Note** Dolby Pro Logic and Dolby Pro Logic II decoding do not function for DTS format signals.

Name	Function
6 **DTS**	Lights up when DTS signals are input. **Note** When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 64).
7 **MEMORY**	Lights up when a memory function, such as Preset Memory (page 55), etc., is activated.
8 **Preset station indicators**	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see page 55.
9 **Tuner indicators**	Lights up when using the receiver to tune in radio stations (page 53), etc.
10 **D.RANGE**	Lights up when dynamic range compression is activated (page 40).
11 **HDMI**	Flashes when you select "HDMI A." in the VIDEO menu (page 65).
12 **COAX**	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN" (page 64).

continued

Name	Function
13 **OPT**	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN" (page 64).
14 **SLEEP**	Lights up when the sleep timer is activated (page 67).
15 **Playback channel indicators**	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound. **L** Front Left **R** Front Right **C** Center (monaural) **SL** Surround Left **SR** Surround Right **S** Surround (monaural or the surround components obtained by Pro Logic processing) **Example:** Recording format (Front/ Surround): 3/2.1 Sound Field: A.F.D. AUTO SW L C R SL SR

Rear panel



1 DIGITAL INPUT section

	OPTICAL IN jack	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud sound (page 23, 26).
	COAXIAL IN jack	
	HDMI IN/ MONITOR OUT jack[a)]	Connects to a DVD player, or a satellite tuner. The image and the sound are output to a TV or a projector (page 25).

2 VIDEO/AUDIO INPUT/OUTPUT section

White (L)	AUDIO IN/ OUT jack	Connects the video and audio jacks of a VCR or a DVD player (page 22, 23, 24, 26, 27).
Red (R)		
Yellow	VIDEO IN/ OUT jack[a)]	

3 COMPONENT VIDEO INPUT/ OUTPUT section

Green	COMPONENT VIDEO INPUT/ OUTPUT jack[a)]	Connects to a DVD player, TV, or a satellite tuner. You can enjoy high quality image (page 22, 24, 26).
Blue		
Red		

4 SPEAKER section

	Connects to speakers (page 16).
	Connects to sub woofer (page 16).

continued

5 AUDIO INPUT/OUTPUT section

White (L)	AUDIO IN/ OUT jack	Connects to an MD deck or CD player, etc. (page 20).
Red (R)		
White (L)	MULTI CHANNEL INPUT jack	Connects to a Super Audio CD player or DVD player which has an analog audio jack for 5.1 channel sound (page 19).
Red (R)		
Black		

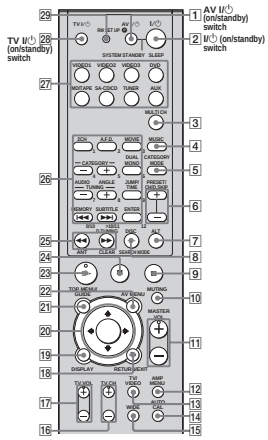
6 ANTENNA section

	FM ANTENNA	Connects to the FM wire antenna supplied with this receiver (page 28).
	AM ANTENNA	Connects to the AM loop antenna supplied with this receiver (page 28).
	XM	Connects to the XM connect-and-Play antenna (not supplied with this receiver) (page 58).

[a)] You can watch the selected input image when you connect the MONITOR OUT jack to a TV monitor (page 22).

Remote commander

You can use the supplied remote RM-AAP012 to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate. You can also program the remote to control non-Sony audio/video components. For details, see "Programming the remote" (page 69).



Name	Function
1 **AV I/⏻**	Press to turn on or off the audio/video components that the remote is programmed to operate. If you press **I**/⏻ (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). **Note** The function of the AV **I**/⏻ switch changes automatically each time you press the input buttons (27).

Name	Function
2 **I/⏻**	Press to turn the receiver on or off. To turn off all components, press **I**/⏻ and AV **I**/⏻ (1) at the same time (SYSTEM STANDBY).
SLEEP	Press ALT (7) and then press SLEEP to activate the Sleep Timer function and the duration which the receiver turns off automatically.
3 **MULTI CH**	Press to select the audio directly from the components connected to the MULTI CH IN jacks.
4 **MUSIC**	Press to select sound fields (MUSIC).
5 **CATEGORY MODE**	Press to select the category mode for XM Radio.
6 **PRESET/ CH/D.SKIP +/–**	Press to – select preset stations. – select preset channels of the TV, VCR, satellite tuner, Blu-ray disc recorder, or hard disc recorder. – skip disc of the CD player, VCD player, DVD player, MD deck, or LD player (multi-disc changer only).
7 **ALT**	Press to light up the button. It changes the remote key function to activate the buttons with orange printing.
8 **-/--**	Press to select the channel entry mode, either one or two digit of the TV, Blu-ray disc recorder, hard disc recorder, PSX, or satellite tuner.
DISC	Press to select a disc directly of the CD player or VCD player (multi-disc changer only).
SEARCH MODE	Press to select the searching mode or unit for search (tracks, index, etc.) of the DVD player.
9 ■	Press to stop playback of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, hard disc recorder, or PSX.

Name	Function
10 **MUTING**	Press to mute the sound.
11 **MASTER VOL +a)/–**	Press to adjust the volume level of all speakers at the same time.
12 **AMP MENU**	Press to display the menu of the receiver. Then, use the control buttons to perform menu operations.
13 **TV/VIDEO**	Press to select the input signal (TV input or video input).
14 **AUTO CAL**	Press to activate the Auto Calibration function.
15 **WIDE**	Press ALT (7) and then press WIDE to select the wide picture mode.
16 **TV CH +a)/–**	Press to select preset TV channels.
17 **TV VOL +a)/–**	Press to adjust the TV volume level.
18 **RETURN/ EXIT** ↶	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCD player, LD player, DVD player, Blu-ray disc recorder, hard disc recorder, PSX, or satellite tuner is displayed on the TV screen.
19 **DISPLAY**	Press to select information displayed on the TV screen of the TV, VCR, VCD player, LD player, DVD player, CD player, MD deck, Blu-ray disc recorder, hard disc recorder, PSX, or satellite tuner.
20 **Control buttons**	After pressing AMP MENU (12), TOP MENU/GUIDE (21), or AV MENU (22), press the control button ↑, ↓, ← or → to select the settings. When you press TOP MENU/GUIDE or AV MENU, press the control button to enter the selection.
21 **TOP MENU/ GUIDE**	Press to display the – DVD title. – menu or on-screen guide of the satellite tuner, Blu-ray disc recorder, hard disc recorder, or PSX on the TV screen. Then, use the control buttons to perform menu operation.

continued

Name	Function
22 **AV MENU**	Press to display the menus of the VCR, DVD player, satellite tuner, Blu-ray disc recorder, hard disc recorder, or PSX on the TV screen. Then, use the control buttons to perform menu operations.
23 ▷a)	Press to start playback of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, hard disc recorder, or PSX.
24 ❚❚	Press to pause playback or recording of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, hard disc recorder, or PSX. (Also starts recording with components in recording standby.)
25 ◀◀/▶▶	Press to – search tracks in the forward/ backward direction of the CD player, VCD player, DVD player, LD player, MD deck, Blu-ray disc recorder, hard disc recorder, or PSX. – fast forward/rewind of the VCR, DAT deck, or tape deck.
D. TUNING	Press to enter direct tuning mode.
ANT	Press ALT (7) and then press ANT to select the signal to be output from the antenna terminal of the VCR or satellite tuner (TV signal or video signal).
CLEAR	Press ALT (7) and then press CLEAR to – clear a mistake when you press the incorrect numeric button. – return to continuous playback, etc. of the CD player, DVD player, Blu-ray disc recorder, PSX, or satellite tuner.

Name	Function
26 **TUNING +/–**	Press to scan a station.
I◀◀ /▶▶I	Press to skip tracks of the VCR, CD player, VCD player, LD player, DVD player, MD deck, DAT deck, tape deck, Blu-ray disc recorder, hard disc recorder, or PSX.
2CH	Press to select 2CH STEREO mode.
A.F.D.	Press to select A.F.D. mode.
MOVIE	Press to select sound fields (MOVIE).
CATEGORY +/–	Press to select the category for XM Radio.
DUAL MONO	Press to select the language you want during digital broadcast.
AUDIO	Press to change the sound to Multiplex, Bilingual or Multi channel TV sound of the TV, VCR, DVD player, satellite tuner, Blu-ray disc recorder, hard disc recorder, or PSX.
ANGLE	Press to select the viewing angle or change the angles of the DVD player or Blu-ray disc recorder.
JUMP/TIME	Press to – toggle between the previous and the current channels of the satellite tuner, TV, or Blu-ray disc recorder. – show the time or display the playing time of a disc, etc. of the CD player, MD deck, VCD player, or DVD player.
MEMORY	Press MEMORY to store a station.
SUBTITLE	Press ALT (7) and then press SUBTITLE to change the subtitles of the DVD player.
ENTER	Press ALT (7) and then press ENTER to enter the value after selecting a channel, disc or track using the numeric buttons.

Name	Function
26 **Numeric buttons**	Press ALT (7) and then press the numeric buttons to – preset/tune to preset stations. – select track numbers of the CD player, VCD player, LD player, DVD player, MD deck, DAT deck, or tape deck. Press 0/10 to select track number 10. – select channel numbers of the TV, VCR, satellite tuner, Blu-ray disc recorder, hard disc recorder, or PSX.
>10/11	Press ALT (7) and then press >10/11 to select track numbers over 10 of the CD player, VCD player, LD player, MD deck, tape deck, TV, VCR, Blu-ray disc recorder, hard disc recorder, PSX, or satellite tuner.
27 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can program the remote to control non-Sony components following the steps in "Programming the remote" on page 69.

Button	Assigned Sony component
VIDEO1	VCR (VTR mode 3)
VIDEO2	VCR (VTR mode 1)
VIDEO3	VCR (VTR mode 2)
DVD	DVD player
MD/TAPE	MD deck
SA-CD/CD	Super Audio CD/CD player
TUNER	Built-in tuner
AUX	Not assigned

Name	Function
28 **TV I/⏻**	Press to turn the TV on or off.
29 **RM SET UP**	Press to set up the remote.

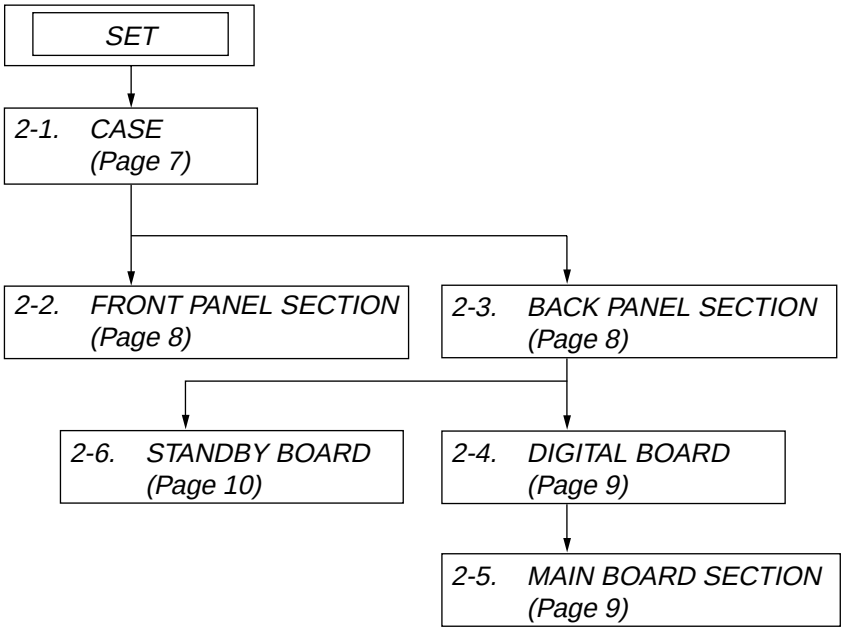
[a] The MASTER VOL +, TV VOL +, TV CH + and ▻ buttons have tactile dots. Use the tactile dots as references when operating the receiver.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.
- The 12 button on the remote is not available for receiver operation.

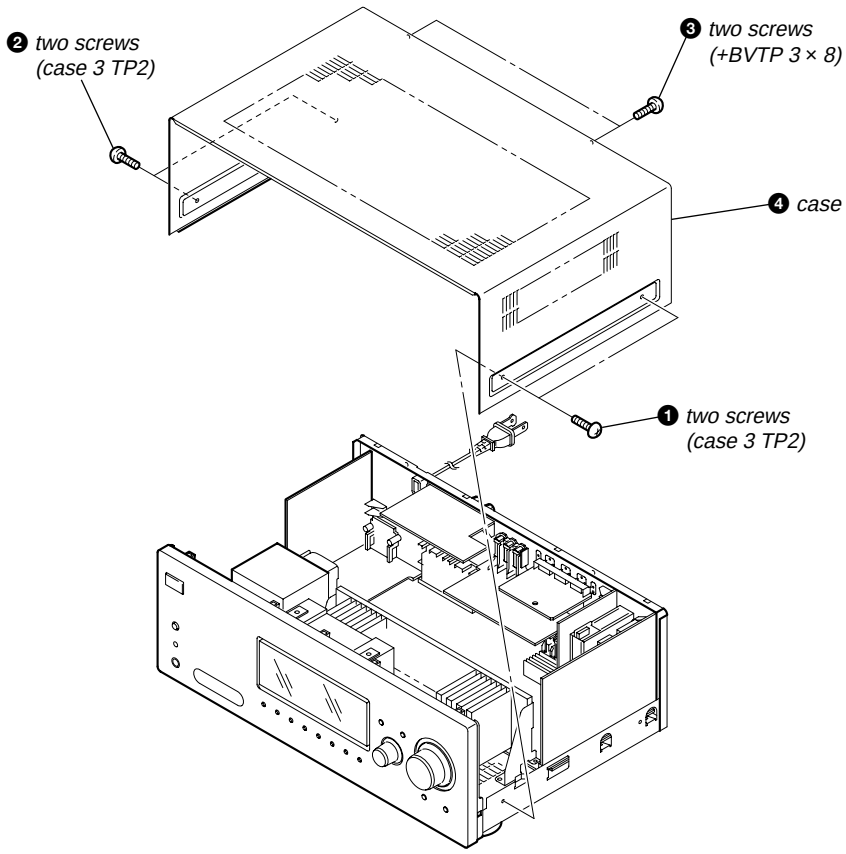
SECTION 2
DISASSEMBLY

Note : This set can be disassemble according to the following sequence.

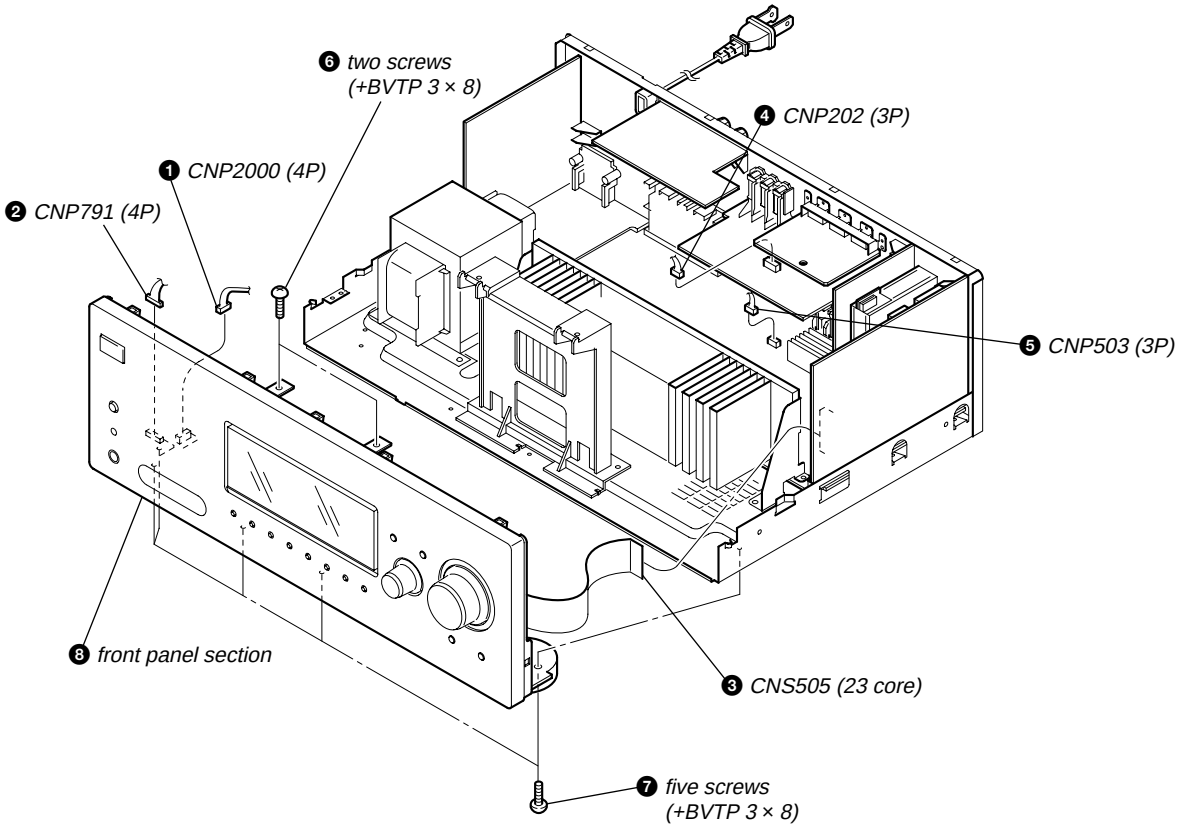


Note : Follow the disassembly procedure in the numerical order given.

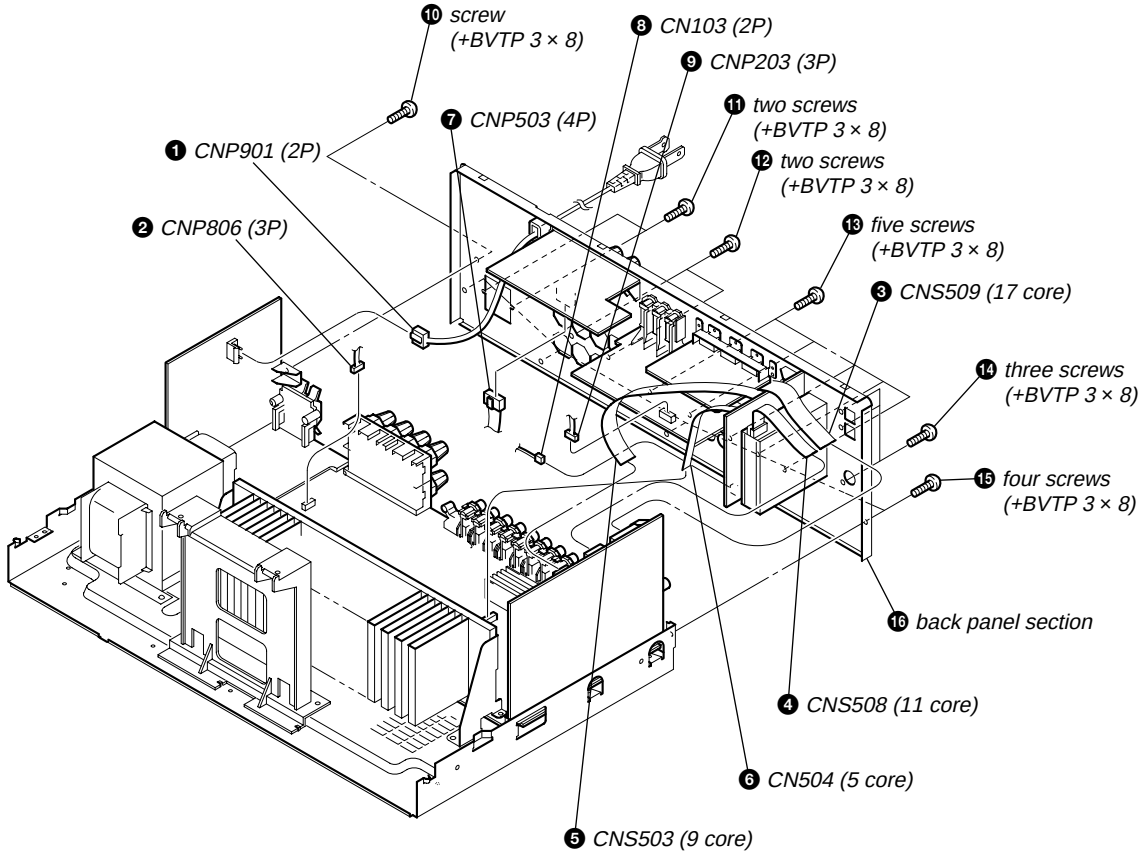
2-1. CASE



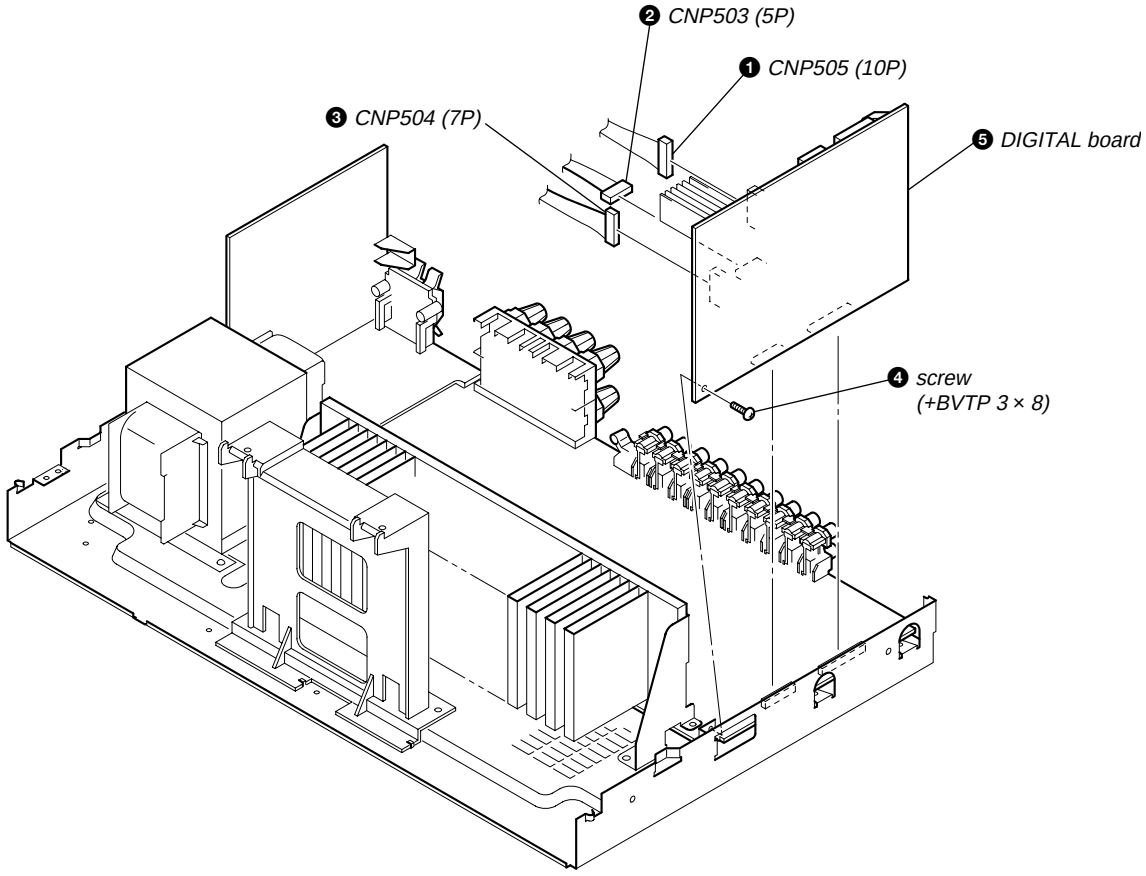
2-2. FRONT PANEL SECTION



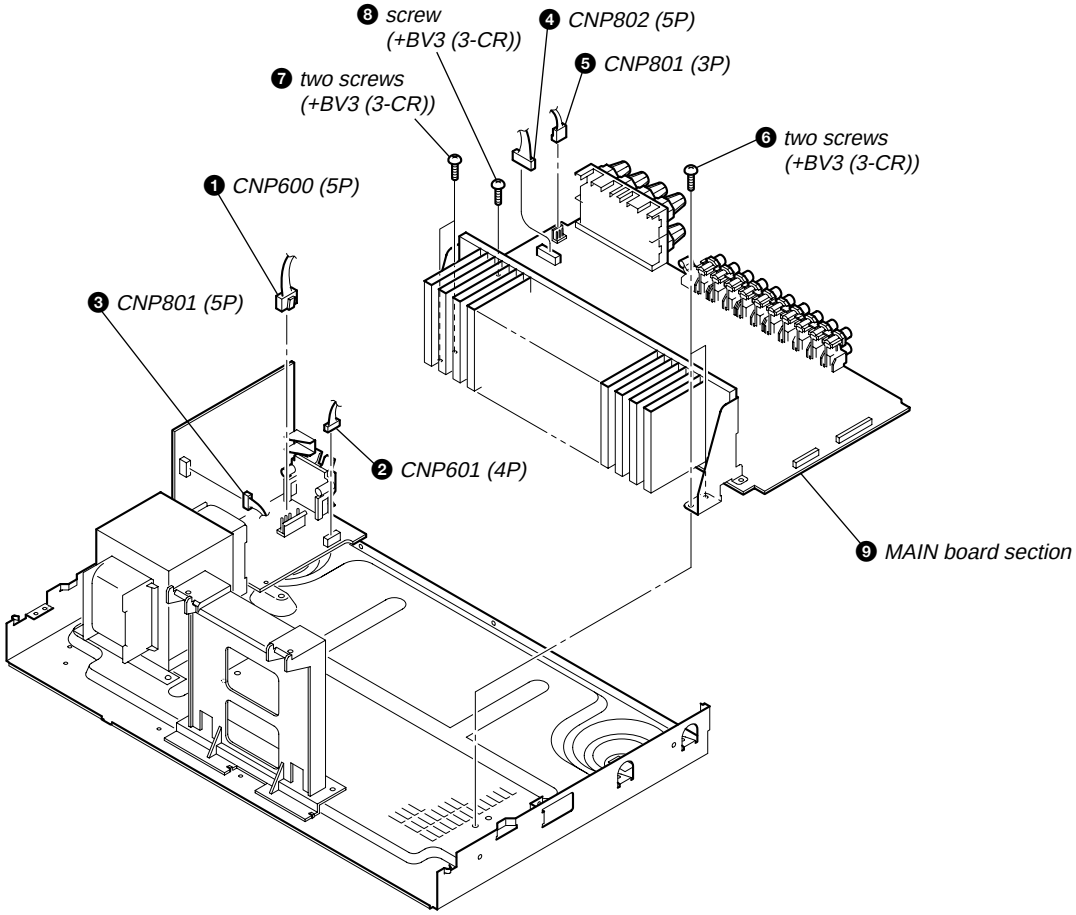
2-3. BACK PANEL SECTION



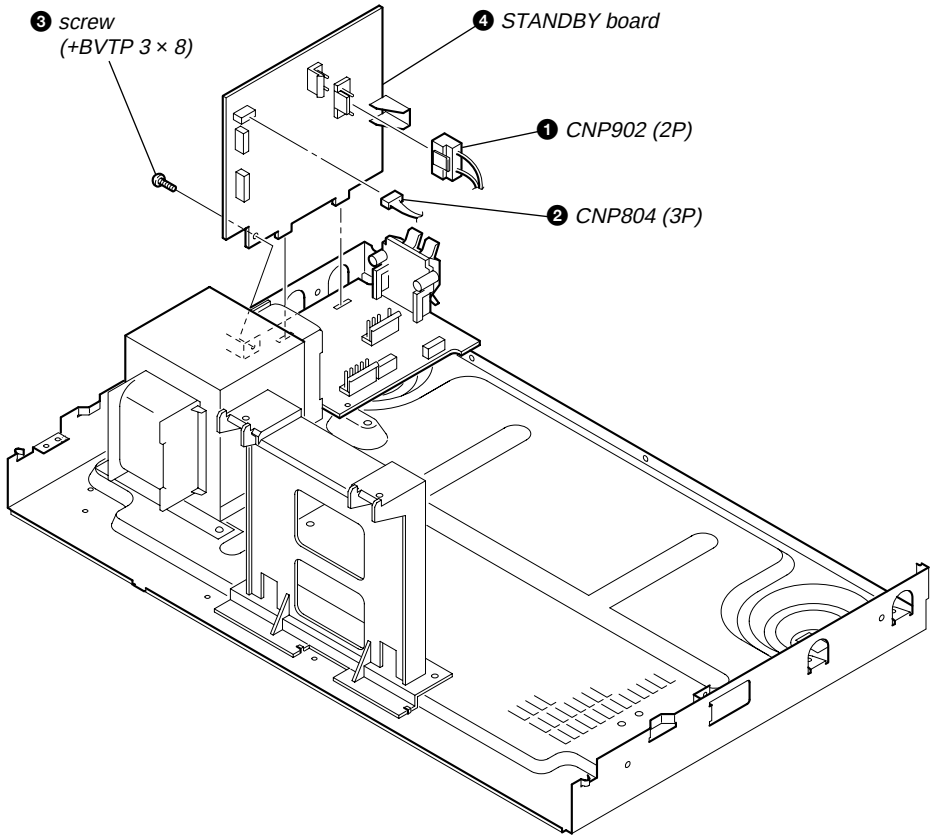
2-4. DIGITAL BOARD



2-5. MAIN BOARD SECTION



2-6. STANDBY BOARD



SECTION 3
TEST MODE

FACTORY PRESET MODE

* All preset contents are reset to the default setting.
* Procedure:
  While depressing the [SPEAKERS (OFF/A/B/A+B)] and the [MOVIE] buttons simultaneously, press the [I/⏻] button to turn on the main power.
  The message "FACTORY" appears for a moment and the present contents are reset to the default values.

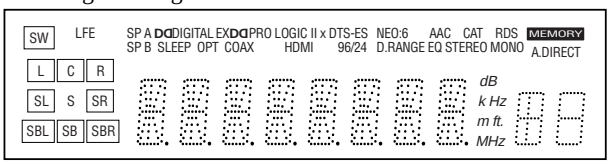
AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
* Procedure:
  Turn the [INPUT SELECTOR] control to set AM and press the [I/⏻] button to turn off the main power.
  While depressing the [TUNING MODE] button, press the [I/⏻] button to turn on the main power.
  Either the message "9k STEP" or "10k STEP" appears for a moment and select the desired step.

VACUUM FLUORESCENT DISPLAY TEST MODE

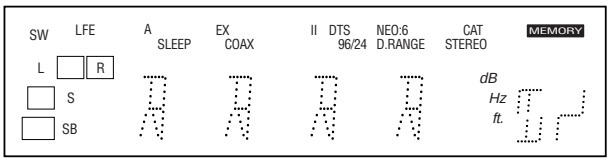
* All fluorescent segments are tested.
  When this test is activated, all segments light on at the same time, then each segment lights on one after another.
* Procedure:
  While depressing the [TUNING MODE] and the [DISPLAY] buttons simultaneously, press the [I/⏻] button to turn on the main power.

1. ALL segments light on.

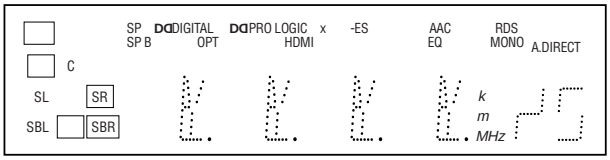


[MULTI CHANNEL DECODING] LED light on.

2. Turn the [INPUT SELECTOR] control, confirm display.



3. Turn the [INPUT SELECTOR] control, confirm display.



[MULTI CHANNEL DECODING] LED light on.

4. Turn the [INPUT SELECTOR] control, all segments and all LEDs light off.

SOUND FIELD CLEAR MODE

* The preset sound field is cleared when this mode is activated.
  Use this mode before returning the product to clients upon completion of repair.
* Procedure:
  While depressing the [2CH] button, press the [I/⏻] button to turn on the main power.
  The message "S.F. CLR." appears for a moment and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.
* Procedure:
  While depressing the [SPEAKERS (OFF/A/B/A+B)] and the [DISPLAY] buttons simultaneously, press the [I/⏻] button to turn on the main power.
  The model name, destination and the software version are displayed for a moment.

KEY CHECK MODE

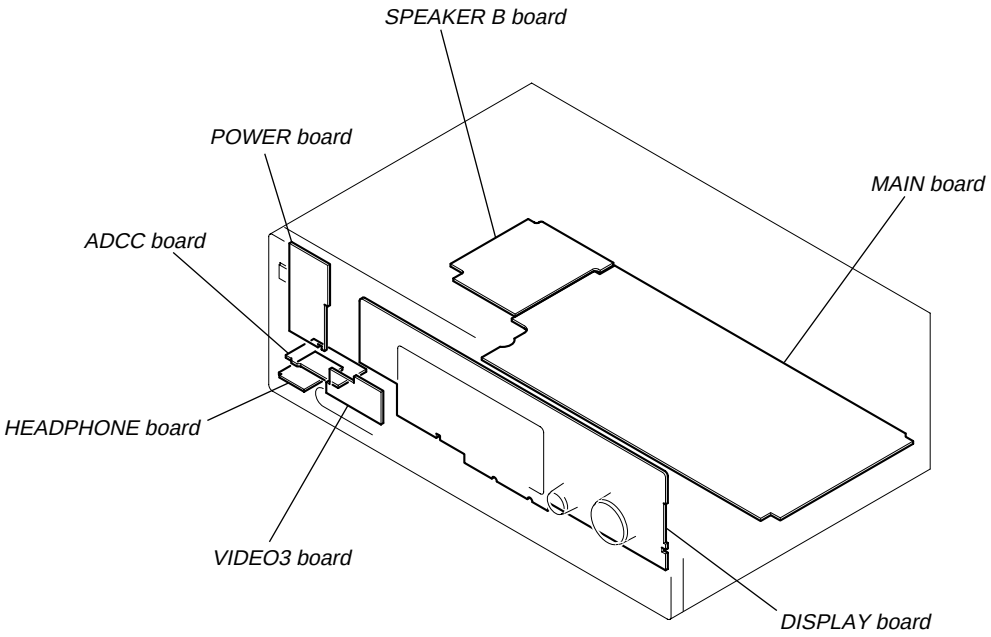
* Button check
* Procedure:
  While depressing the [SPEAKERS (OFF/A/B/A+B)] and the [2CH] buttons simultaneously, press the [I/⏻] button to turn on the main power.
  Either the message "REST 13" appears.
  Every pressing of any button other than the [I/⏻] counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed "REST 00" appears.

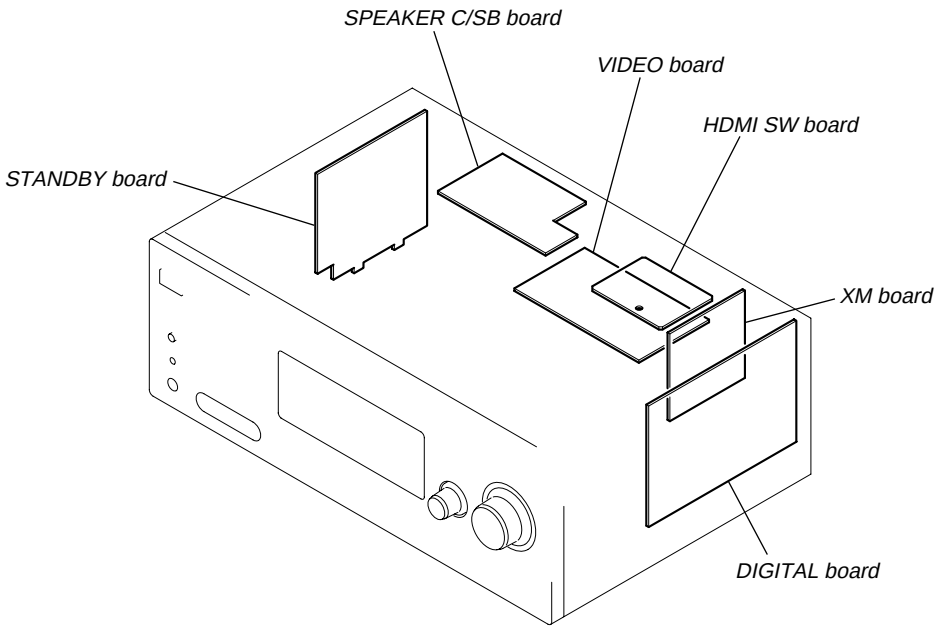
COMMAND MODE SELECTION MODE

* The command mode (AV1 or AV2) of the remote commander can be selected.
* Procedure:
  While depressing the [INPUT MODE] button, press the [I/⏻] button to turn on the main power.
  Either the message "C.MODE.AV 1" or "C.MODE.AV 2" appears for a moment and select the desired mode.

SECTION 4
DIAGRAMS

4-1. CIRCUIT BOARDS LOCATION





THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

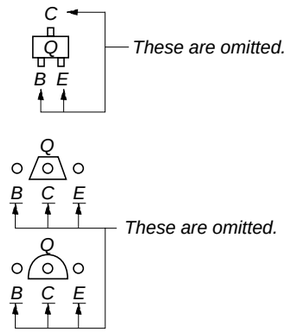
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- : B+ Line.
- : B– Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : TUNER (FM/AM)
  : VIDEO (AUDIO)
  : VIDEO
  : CD (ANALOG)
  : CD (DIGITAL)

for printed wiring boards:

- : parts extracted from the component side.
- △ : internal component.
- : Pattern from the side which enables seeing.

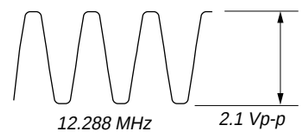
Caution:
Pattern face side: (Side B) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A) Parts on the parts face side seen from the parts face are indicated.



• Waveforms

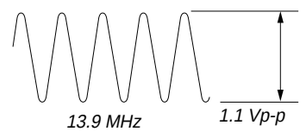
— DIGITAL Board —

① IC1301 ⑬ (CKOUT)



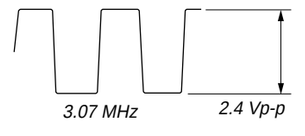
1V/DIV, 50nsec/DIV

⑤ IC1501 ⑫ (MCLK2)



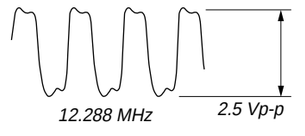
1V/DIV, 50nsec/DIV

② IC1301 ⑭ (BCK)



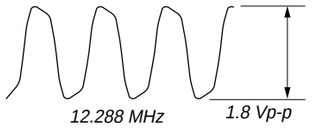
1V/DIV, 0.2µsec/DIV

⑥ IC1501 ⑭ (SCKOUT)



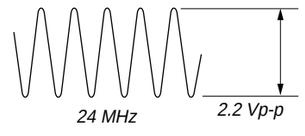
1V/DIV, 50nsec/DIV

③ IC1301 ㉑ (XOUT)



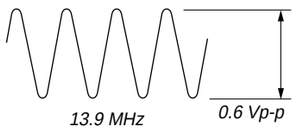
1V/DIV, 50nsec/DIV

⑦ IC1101 ㉝ (X1)



1V/DIV, 50nsec/DIV

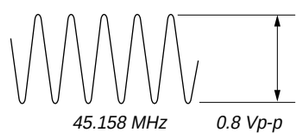
④ IC1501 ⑨ (MCLK1)



1V/DIV, 50nsec/DIV

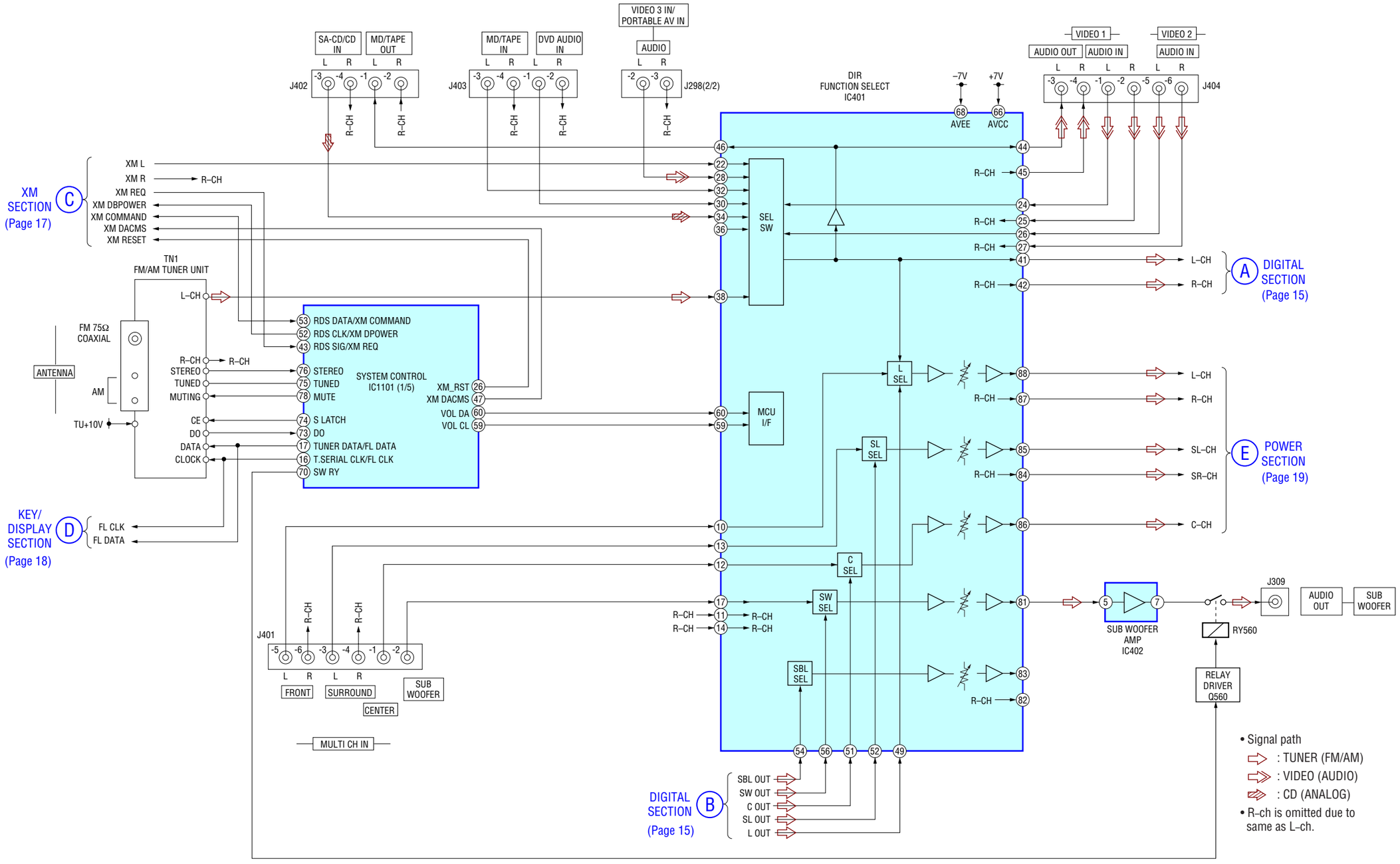
— XM Board —

① IC102 ㉖ (OSCOUT)

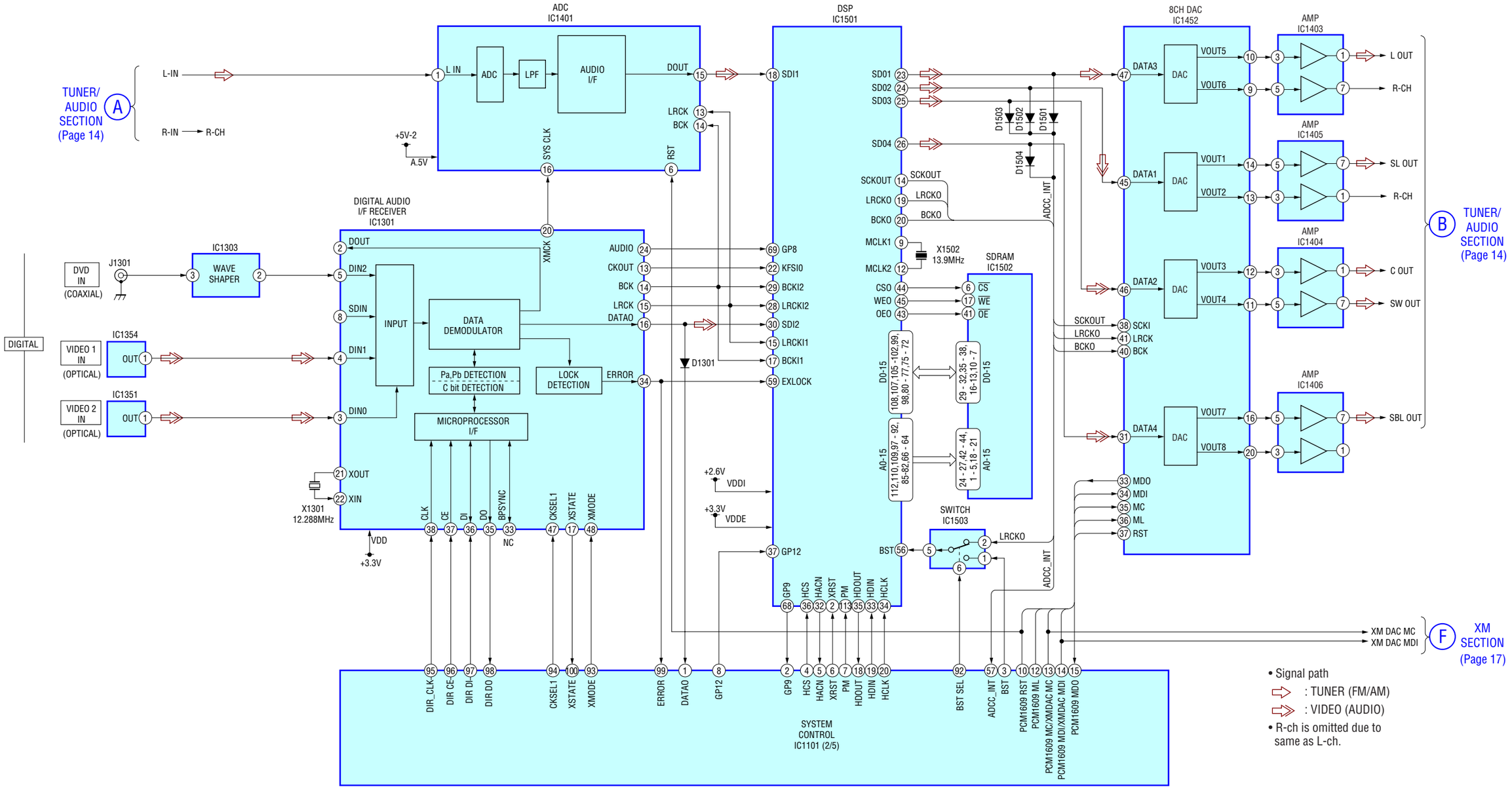


1V/DIV, 50nsec/DIV

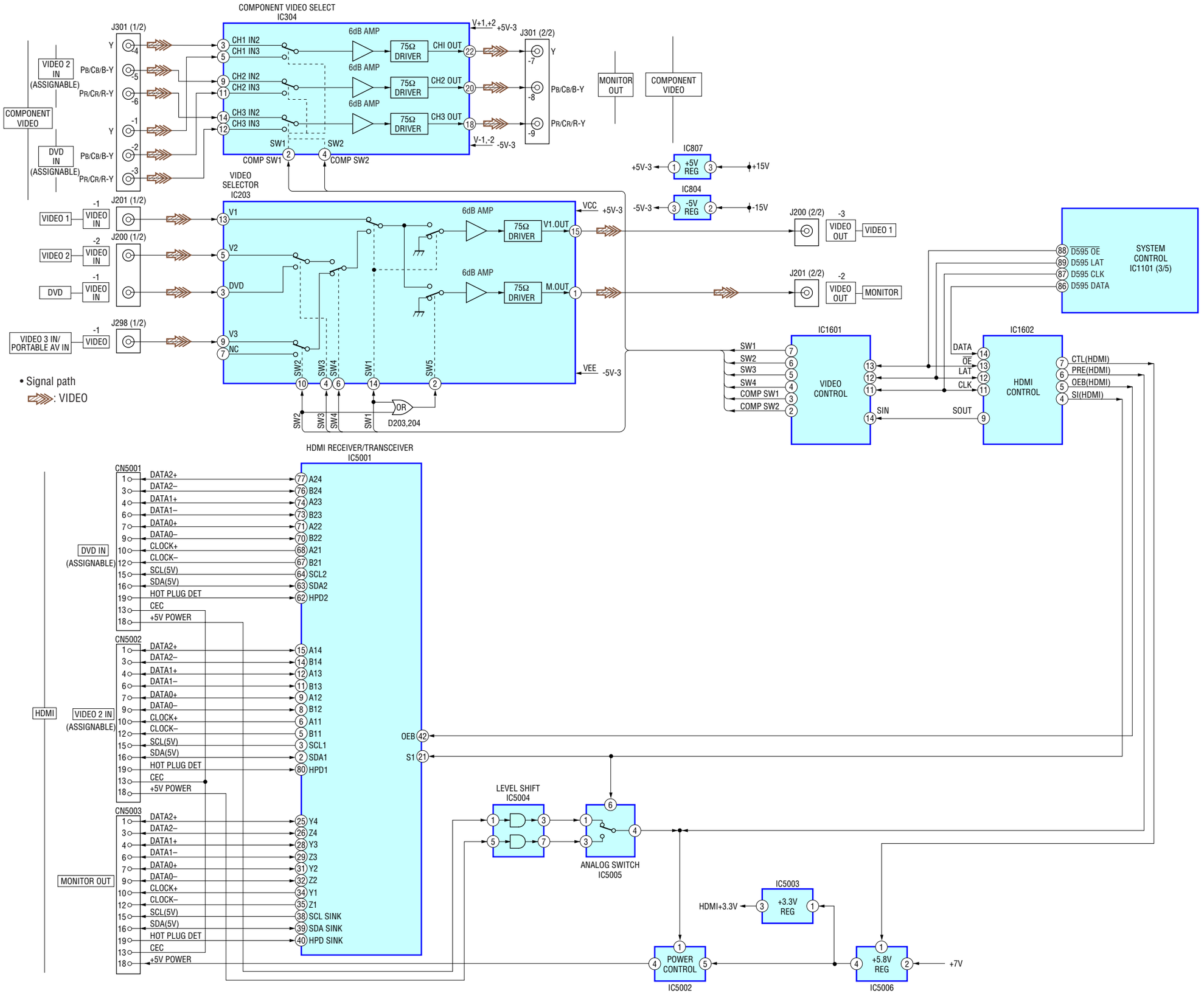
4-2. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



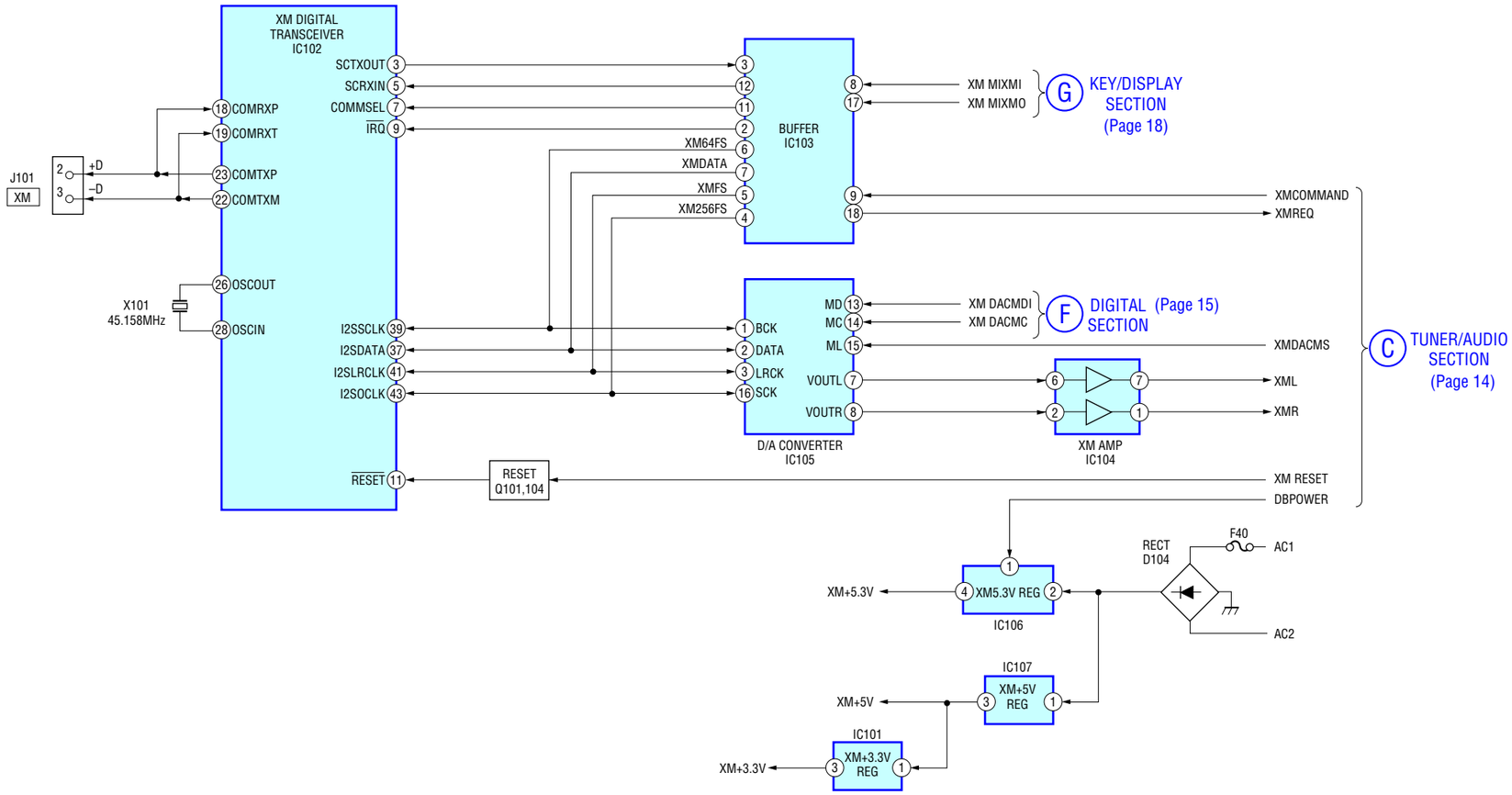
4-3. BLOCK DIAGRAM — DIGITAL SECTION —



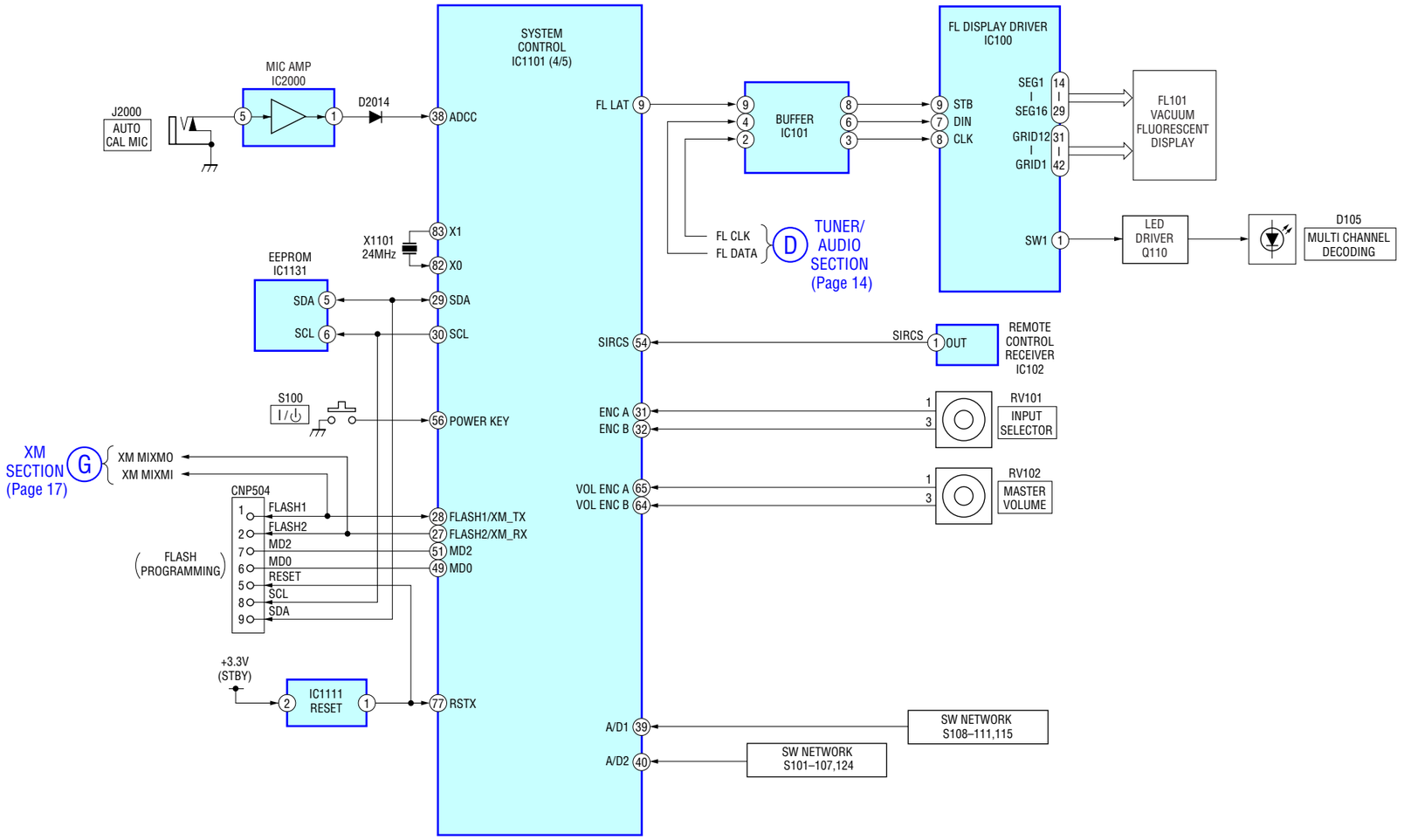
4-4. BLOCK DIAGRAM — VIDEO SECTION —



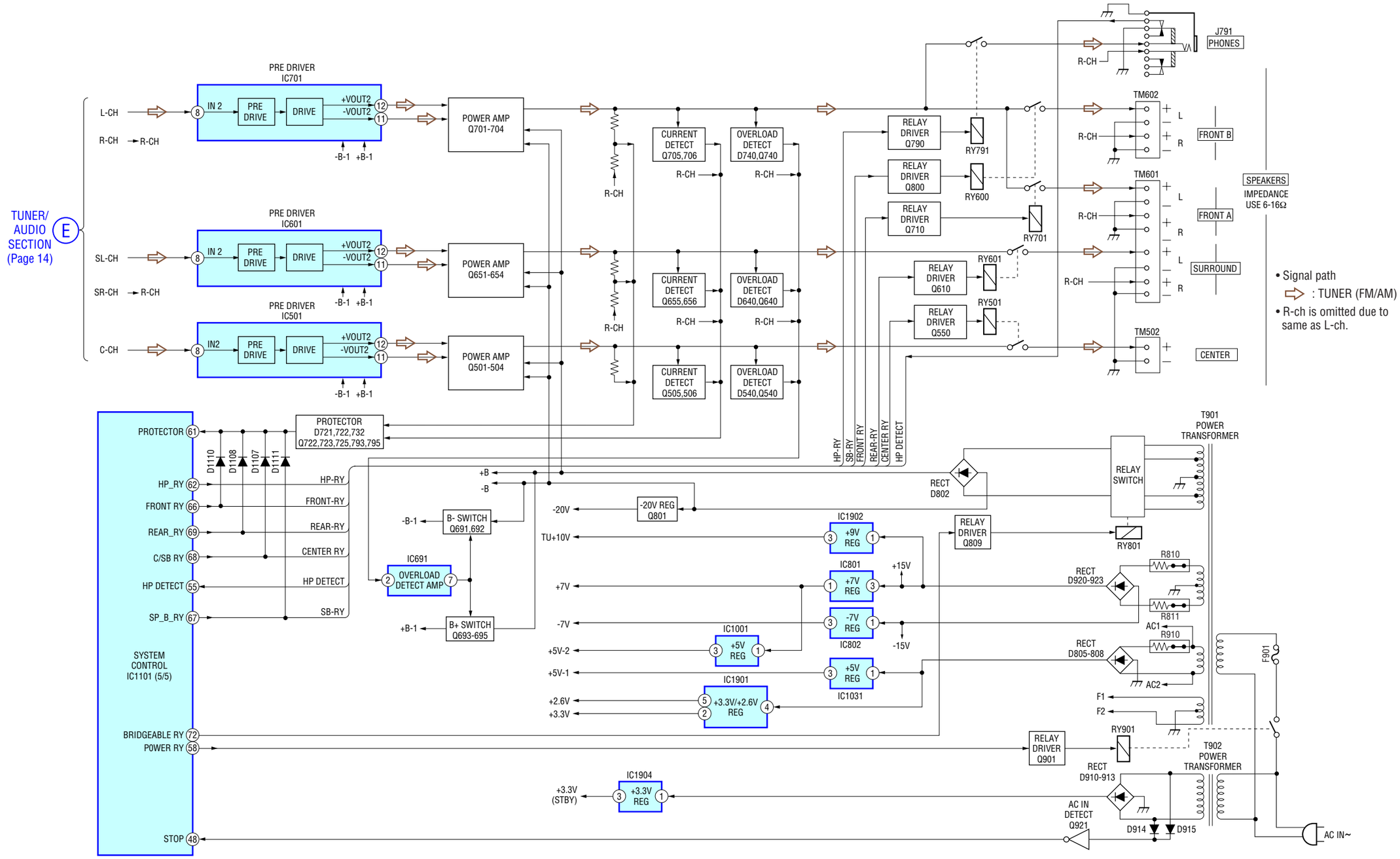
4-5. BLOCK DIAGRAM — XM SECTION —



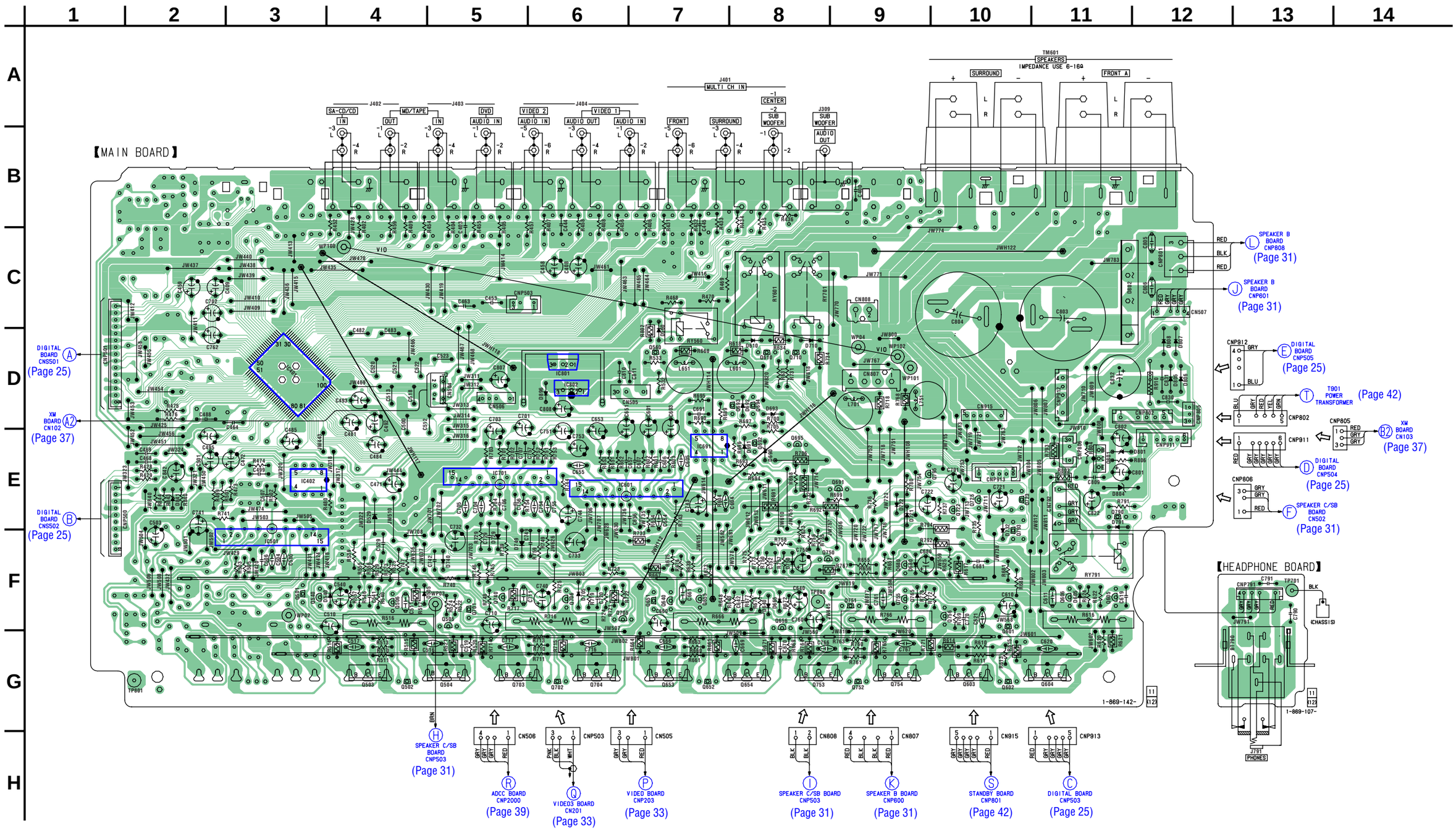
4-6. BLOCK DIAGRAM — KEY/DISPLAY SECTION —



4-7. BLOCK DIAGRAM — POWER SECTION —



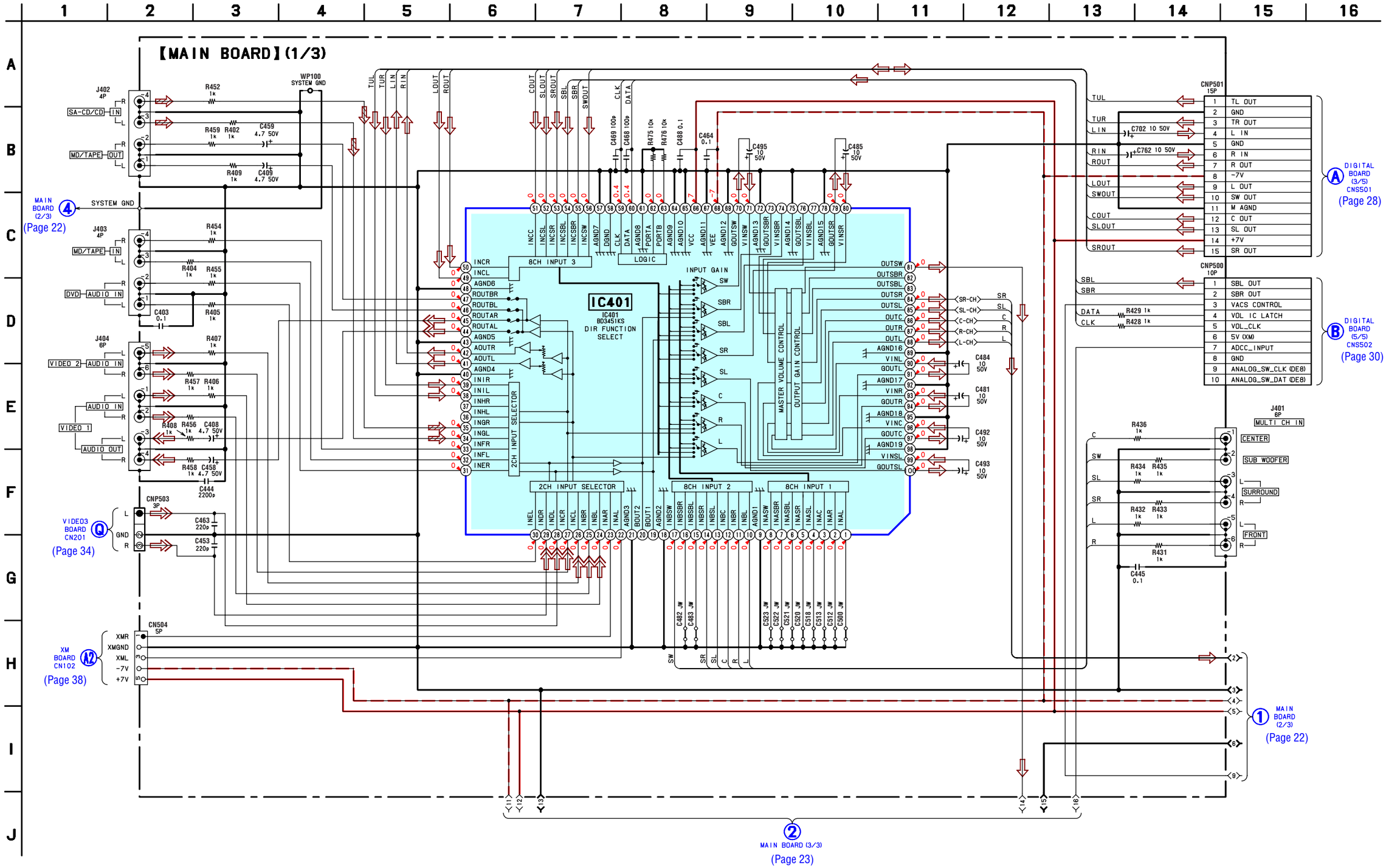
4-8. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 12 for Circuit Boards Location. : Uses unleaded solder.



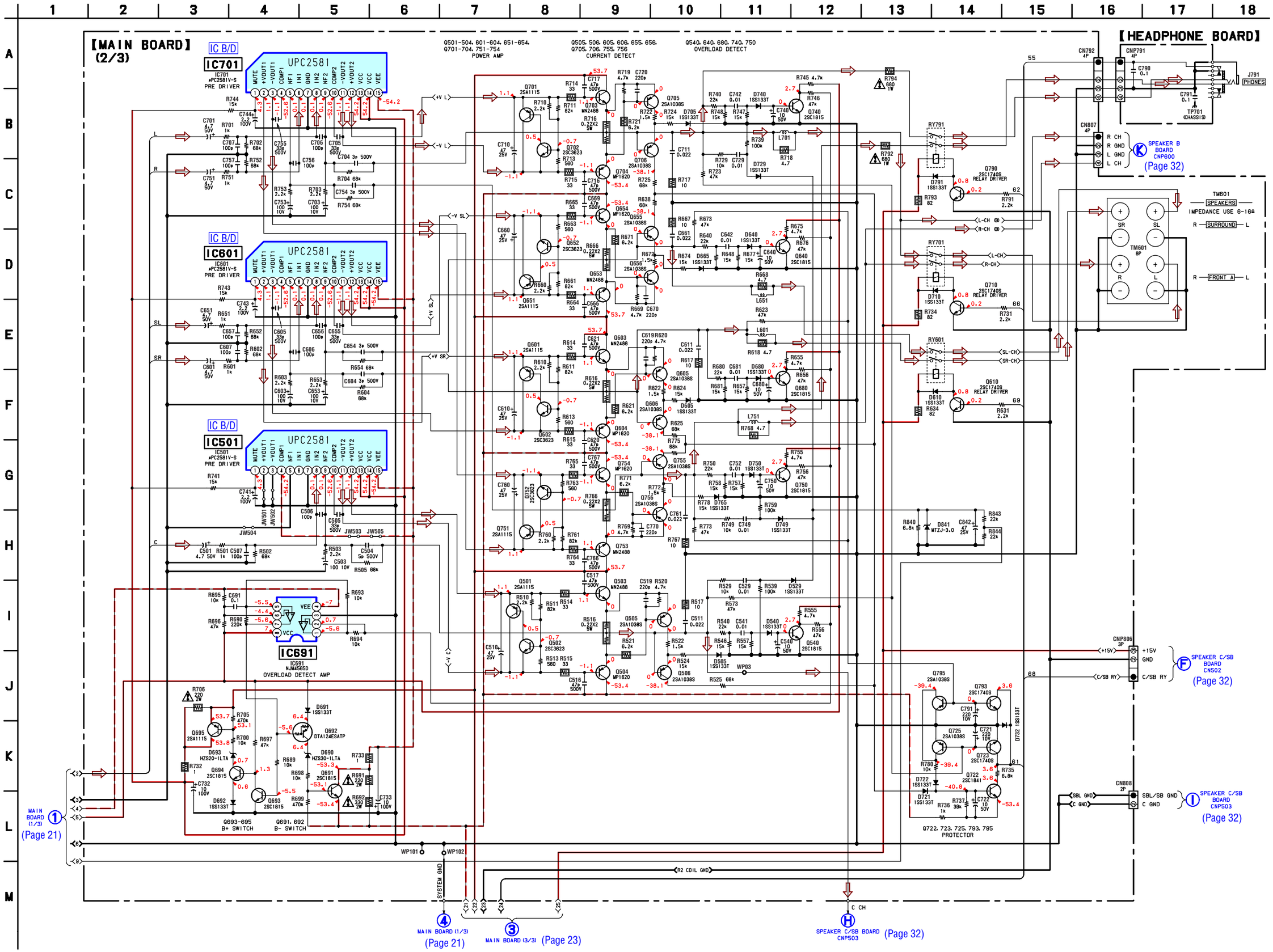
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	F-4	D692	D-8	D765	F-9	IC401	D-3	Q503	G-4	Q606	F-11	Q692	E-8	Q722	E-10	Q790	E-11
D529	E-4	D693	D-8	D791	E-11	IC402	E-3	Q504	G-5	Q610	D-8	Q693	D-8	Q723	E-10	Q793	F-10
D540	F-3	D705	F-6	D801	E-11	IC501	F-3	Q505	F-5	Q640	F-7	Q694	D-8	Q725	E-10	Q795	E-10
D560	D-7	D710	D-8	D802	C-11	IC601	E-6	Q506	F-4	Q651	F-7	Q695	E-8	Q740	F-5	Q801	E-11
D605	F-11	D721	E-9	D804	E-11	IC691	E-7	Q540	F-3	Q652	G-7	Q701	F-5	Q750	F-8		
D610	D-8	D722	E-9	D805	D-12	IC701	E-5	Q560	D-7	Q653	G-7	Q702	G-6	Q751	F-9		
D640	F-8	D729	F-5	D806	D-12	IC801	D-6	Q601	G-10	Q654	G-8	Q703	G-5	Q752	G-9		
D665	F-8	D732	F-10	D807	D-12	IC802	D-6	Q602	G-10	Q655	F-7	Q704	G-6	Q753	G-8		
D680	F-9	D740	F-5	D808	D-12			Q603	G-10	Q656	F-8	Q705	F-6	Q754	G-9		
D690	E-8	D749	F-5	D841	E-2	Q501	F-3	Q604	G-11	Q680	F-9	Q706	F-6	Q755	F-9		
D691	E-8	D750	F-8	D896	D-6	Q502	G-4	Q605	F-11	Q691	E-9	Q710	D-8	Q756	F-10		

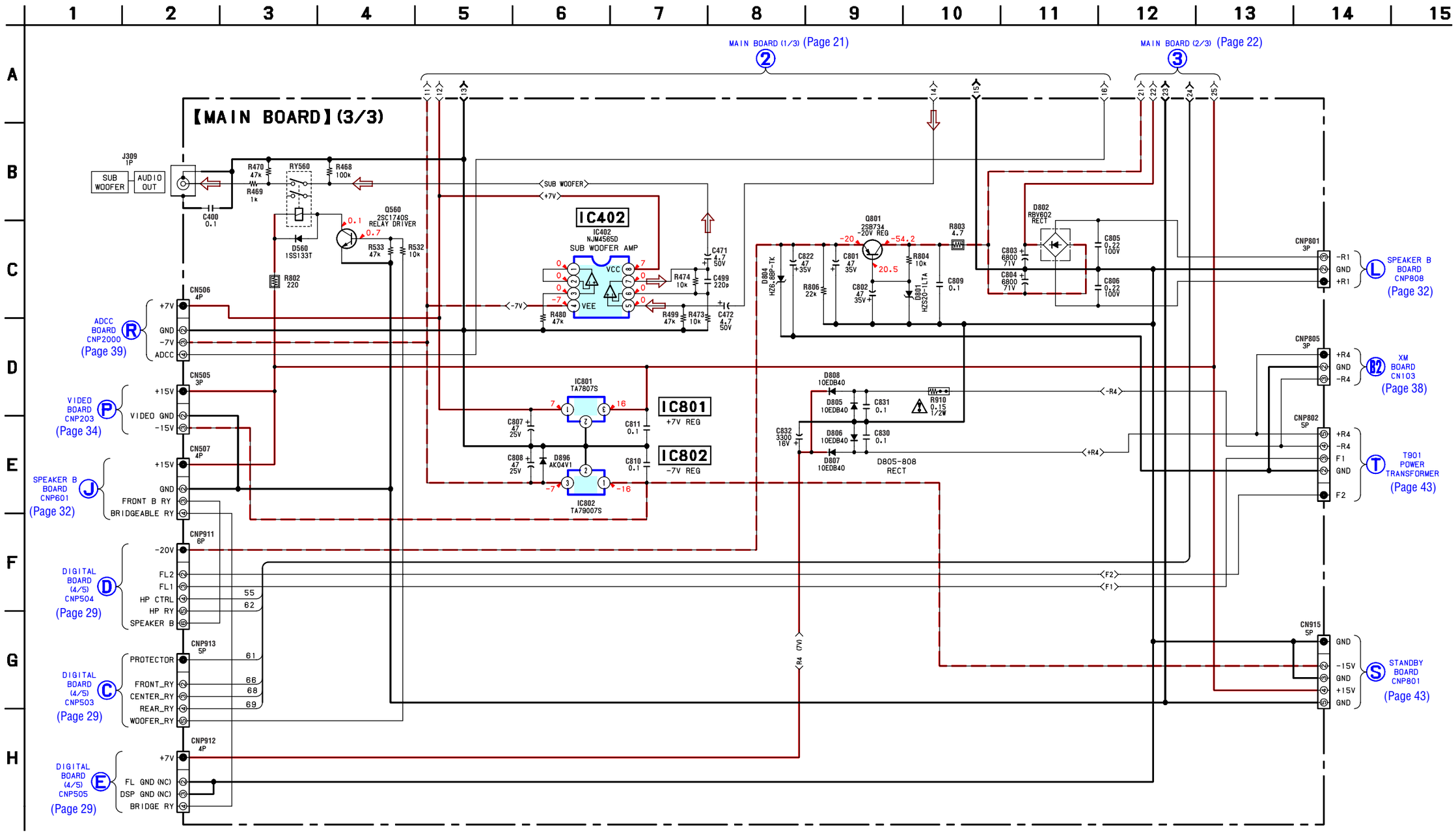
4-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) —



4-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/3) — • Refer to page 44 for IC Block Diagrams.

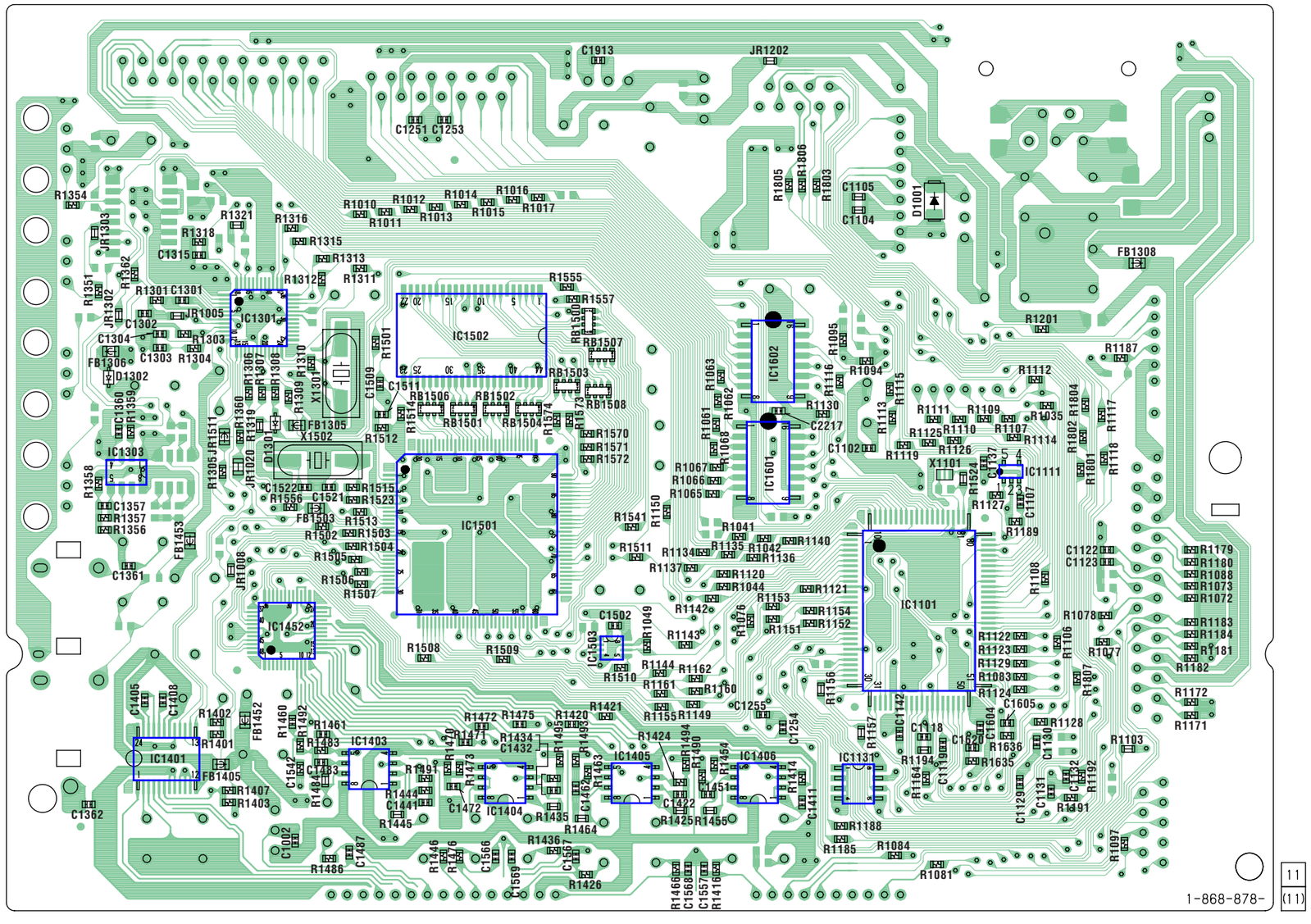


4-11. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) —



4-12. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 12 for Circuit Boards Location. : Uses unleaded solder.

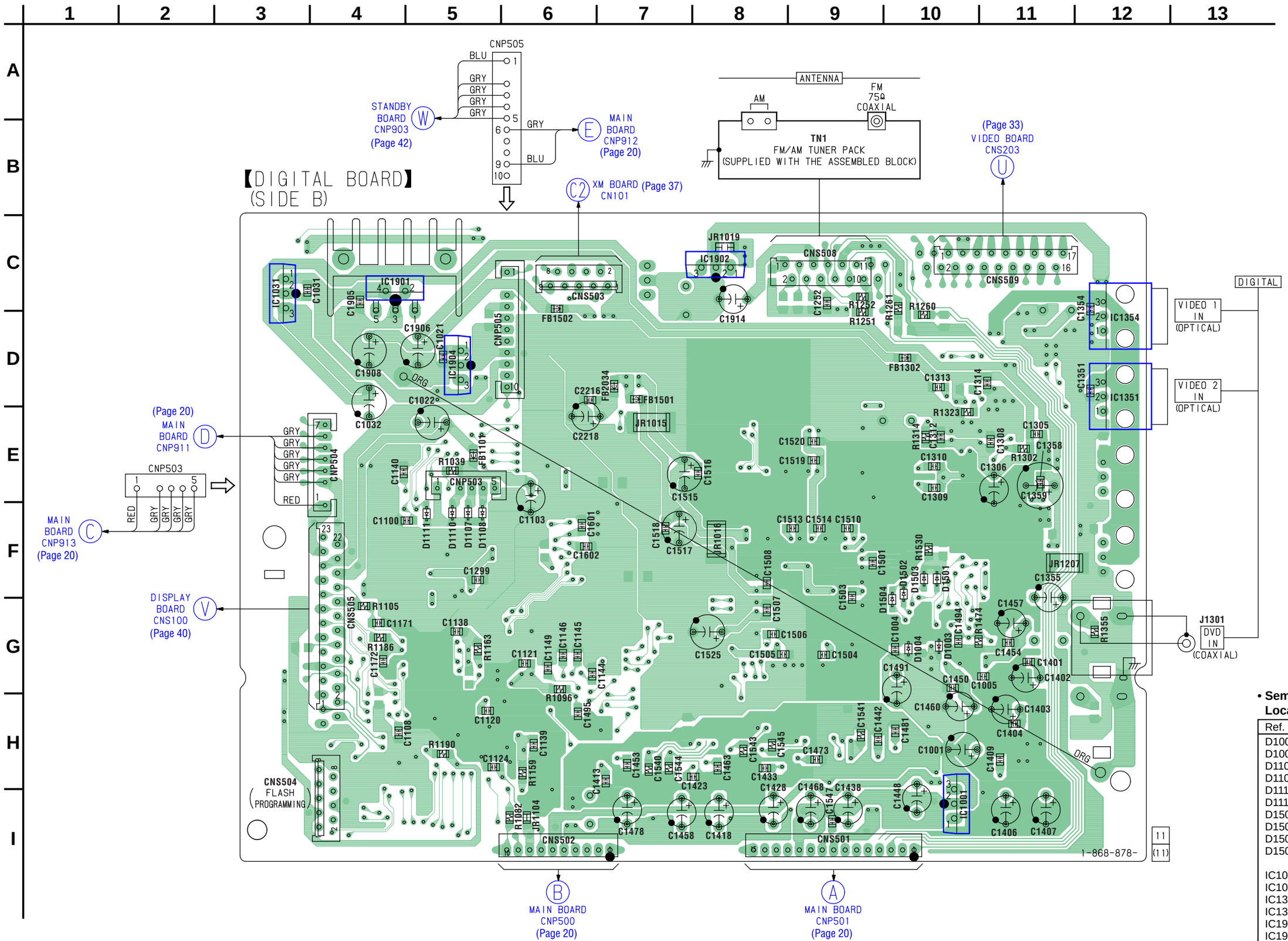
【DIGITAL BOARD】(SIDE A)



• **Semiconductor Location (Side A)**

Ref. No.	Location
D1001	D-5
D1301	F-10
D1302	E-11
IC1101	G-5
IC1111	F-5
IC1131	H-6
IC1301	E-10
IC1303	F-11
IC1401	H-11
IC1403	H-10
IC1404	H-9
IC1405	H-8
IC1406	H-7
IC1452	G-10
IC1501	F-9
IC1502	E-9
IC1503	G-8
IC1601	F-7
IC1602	E-7

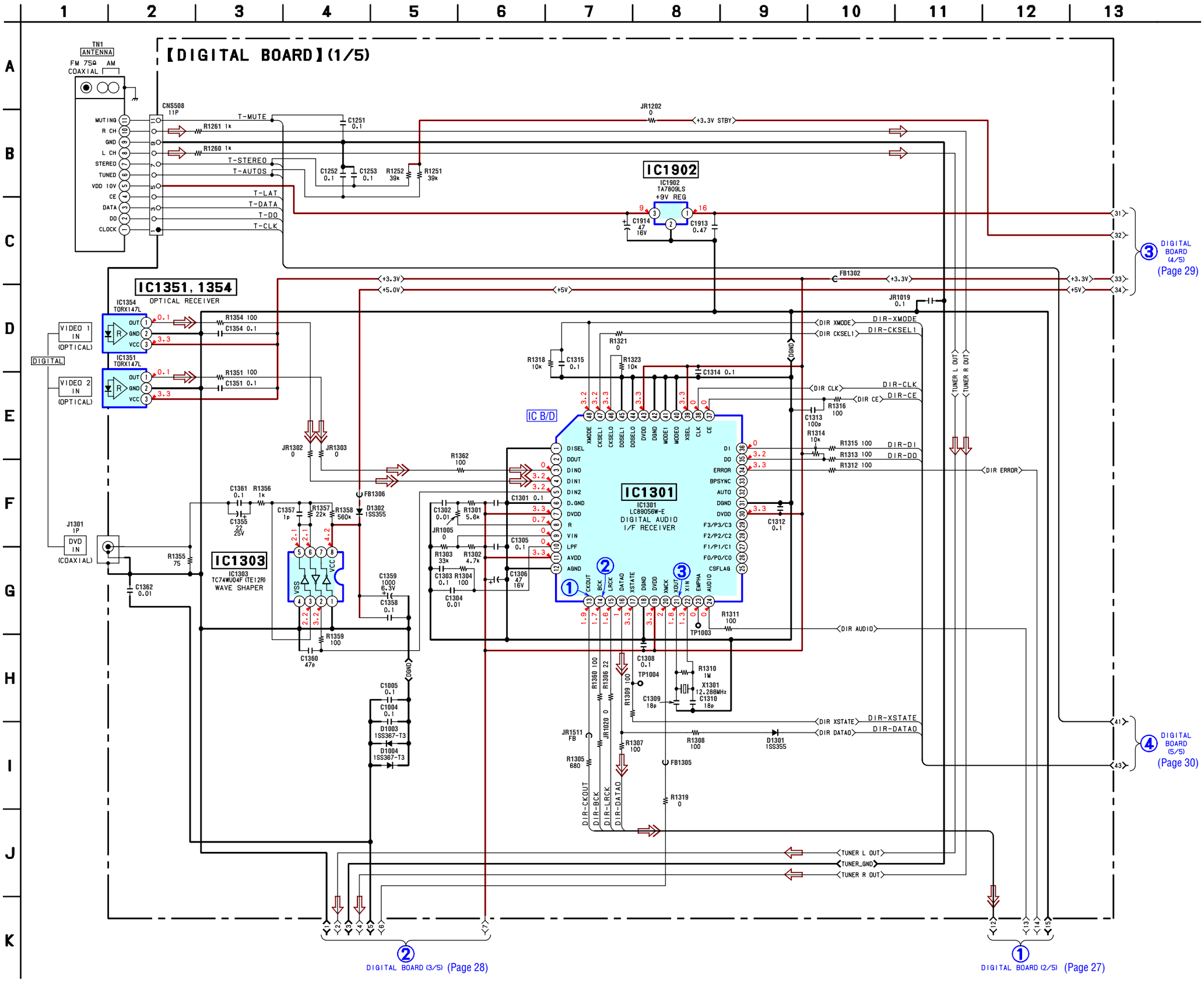
4-13. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 12 for Circuit Boards Location. : Uses unleaded solder.



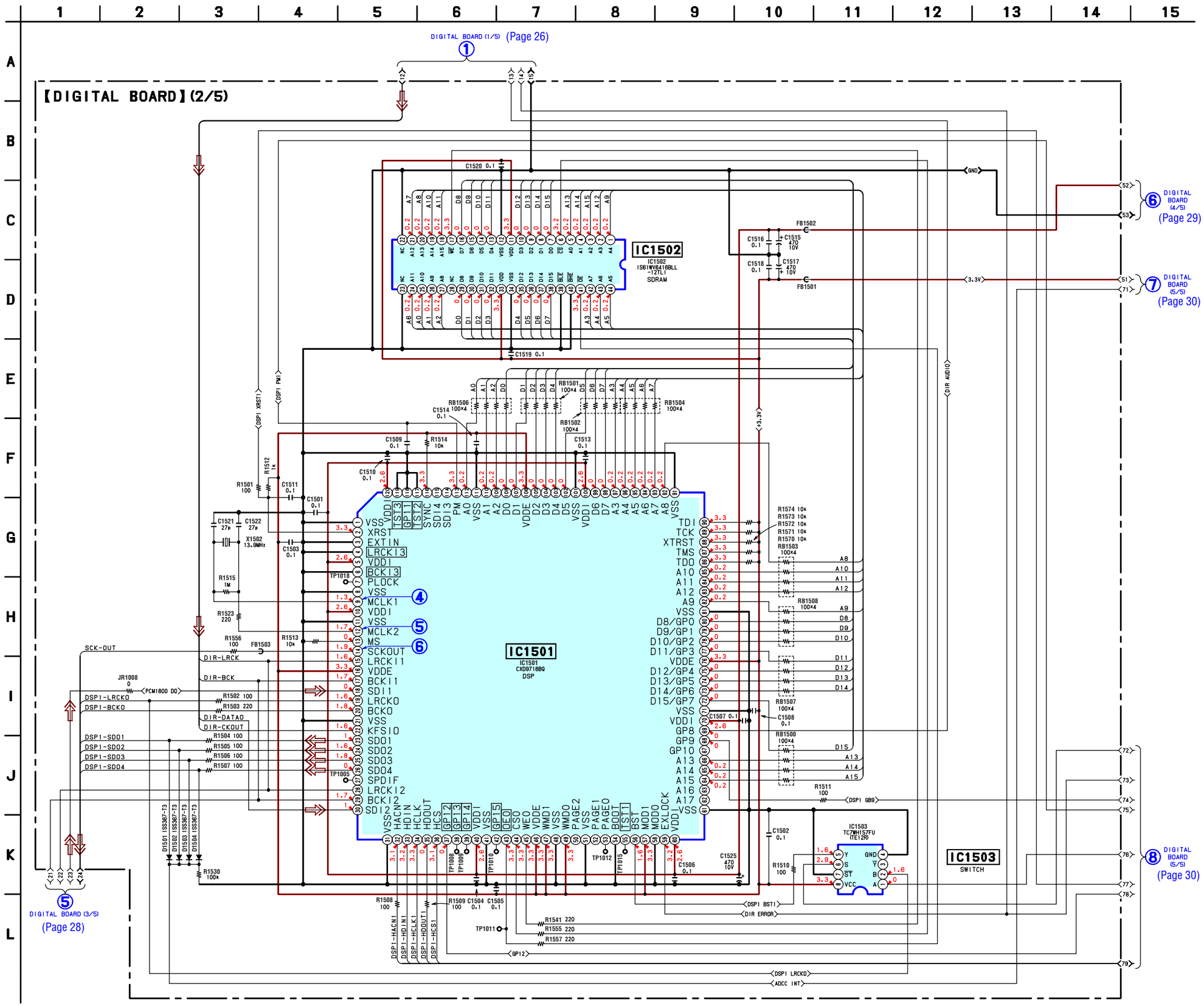
- **Semiconductor Location (Side B)**

Ref. No.	Location
D1003	G-10
D1004	G-10
D1107	F-5
D1108	F-5
D1110	F-5
D1111	F-5
D1501	F-10
D1502	F-10
D1503	F-10
D1504	G-10
IC1001	I-10
IC1031	C-3
IC1351	D-12
IC1354	D-12
IC1901	C-4
IC1902	C-8
IC1904	D-5

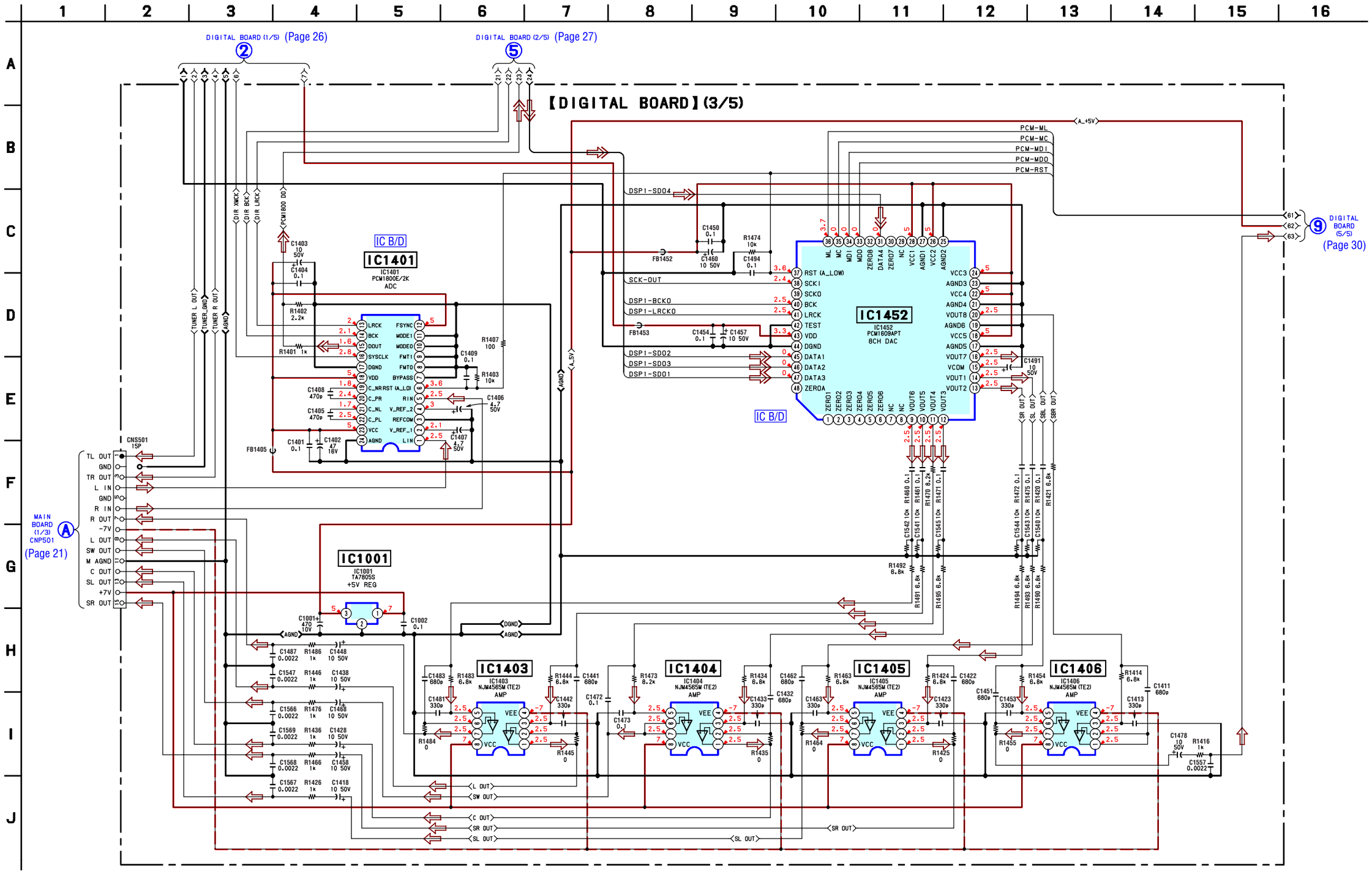
4-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/5) — • Refer to page 13 for Waveforms and page 44 for IC Block Diagrams.



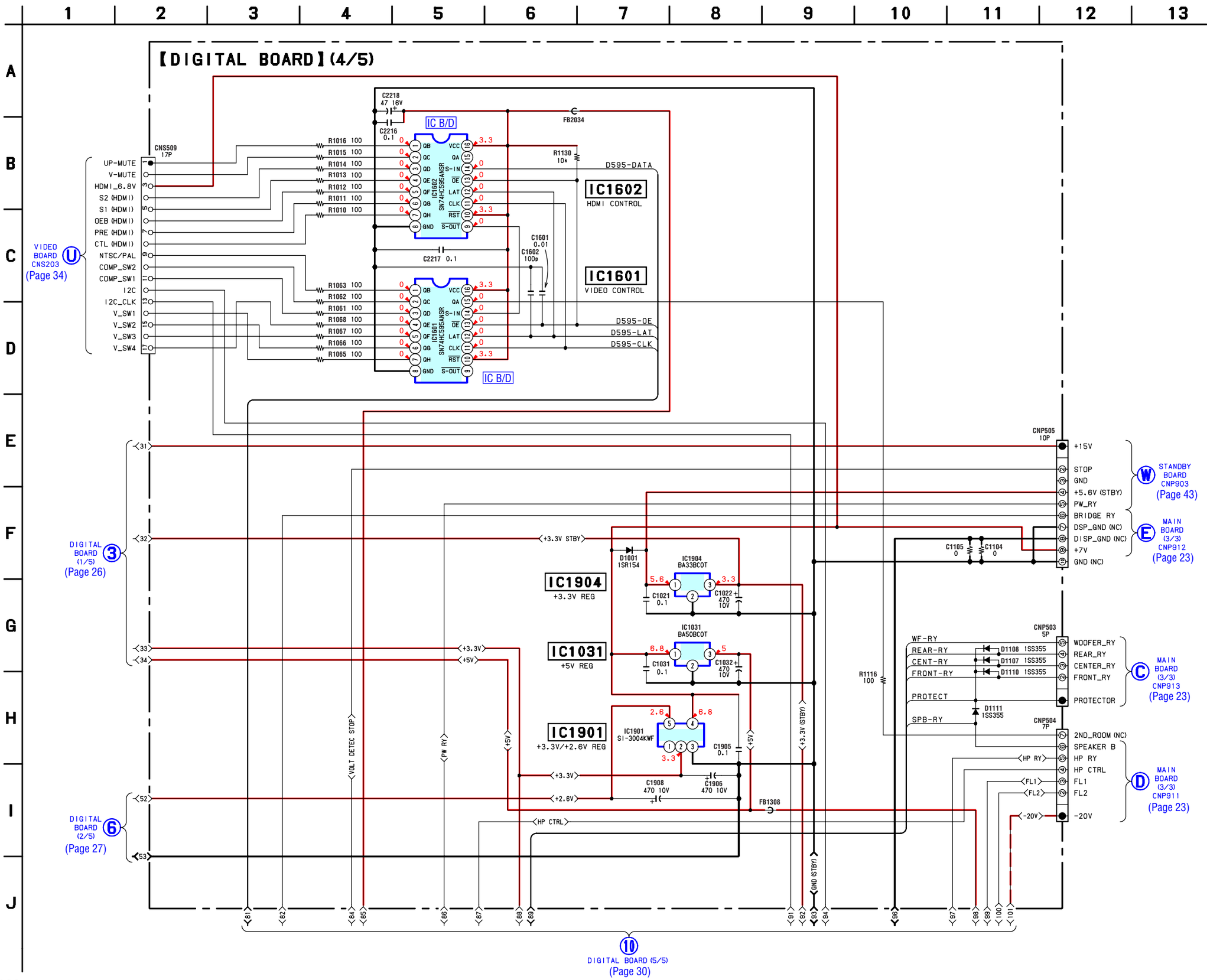
4-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/5) — • Refer to page 13 for Waveforms and page 47 for IC Pin Descriptions.



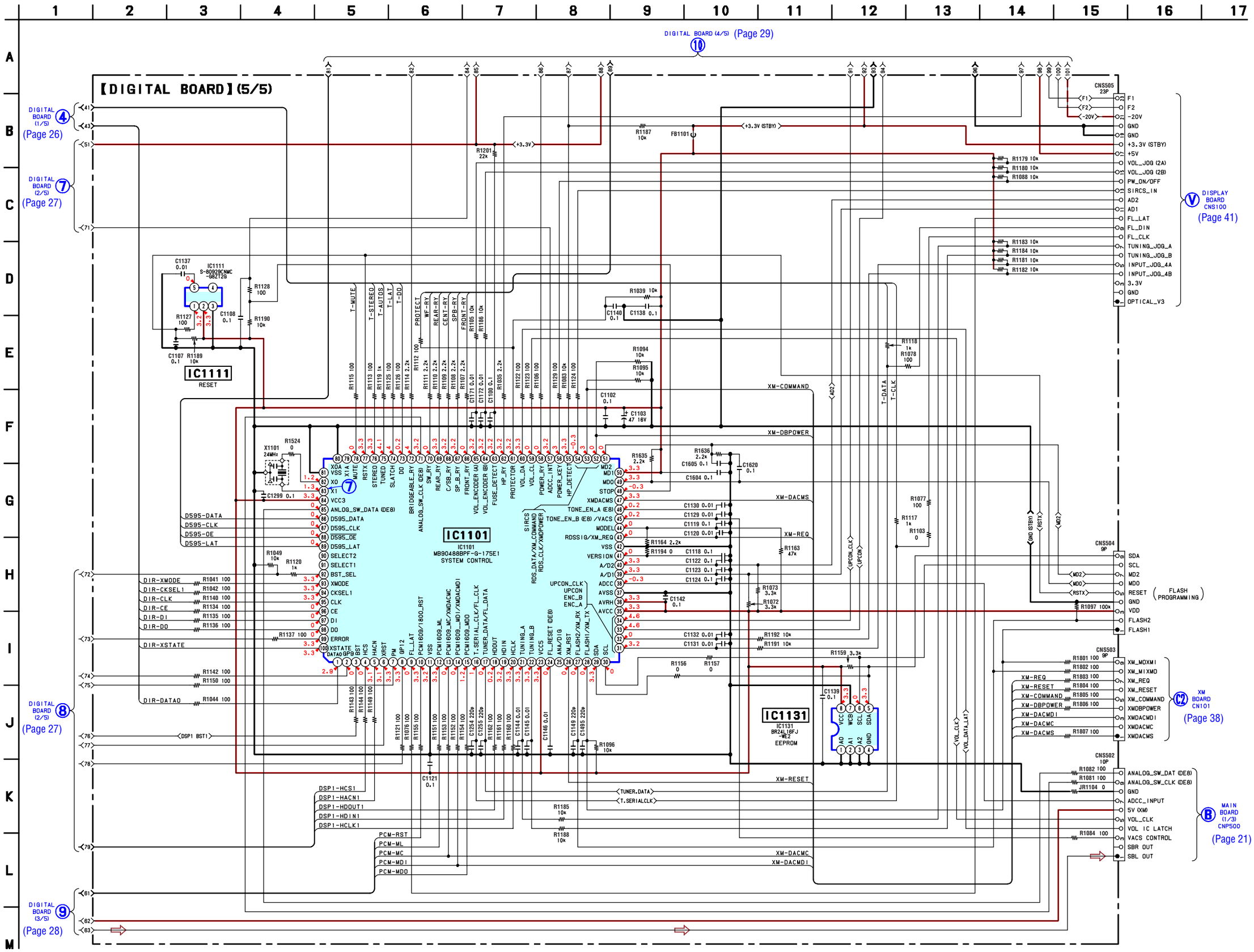
4-16. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/5) — • Refer to page 44 for IC Block Diagrams.



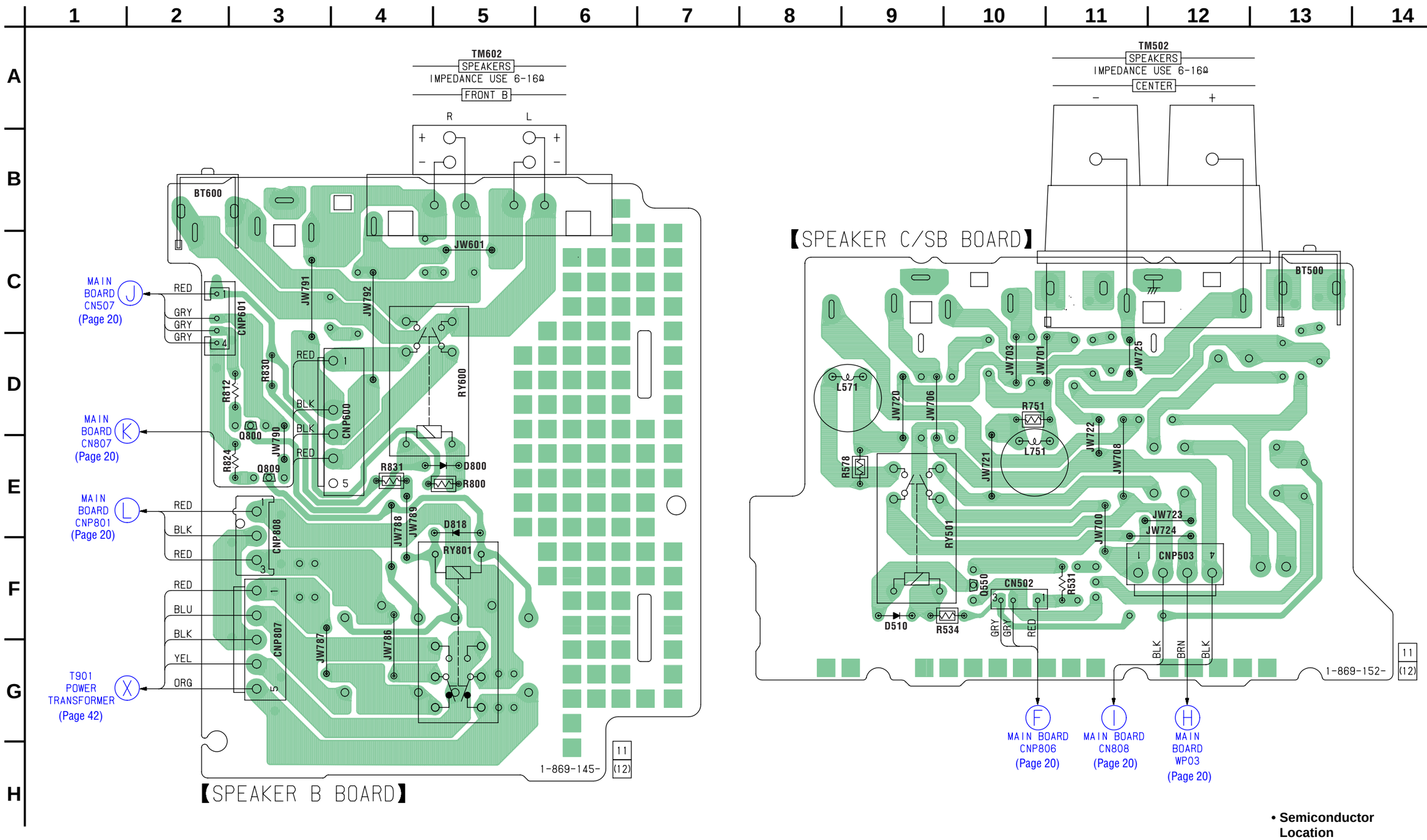
4-17. SCHEMATIC DIAGRAM — DIGITAL SECTION (4/5) — • Refer to page 45 for IC Block Diagrams.



4-18. SCHEMATIC DIAGRAM — DIGITAL SECTION (5/5) — • Refer to page 13 for Waveforms and page 49 for IC Pin Descriptions.



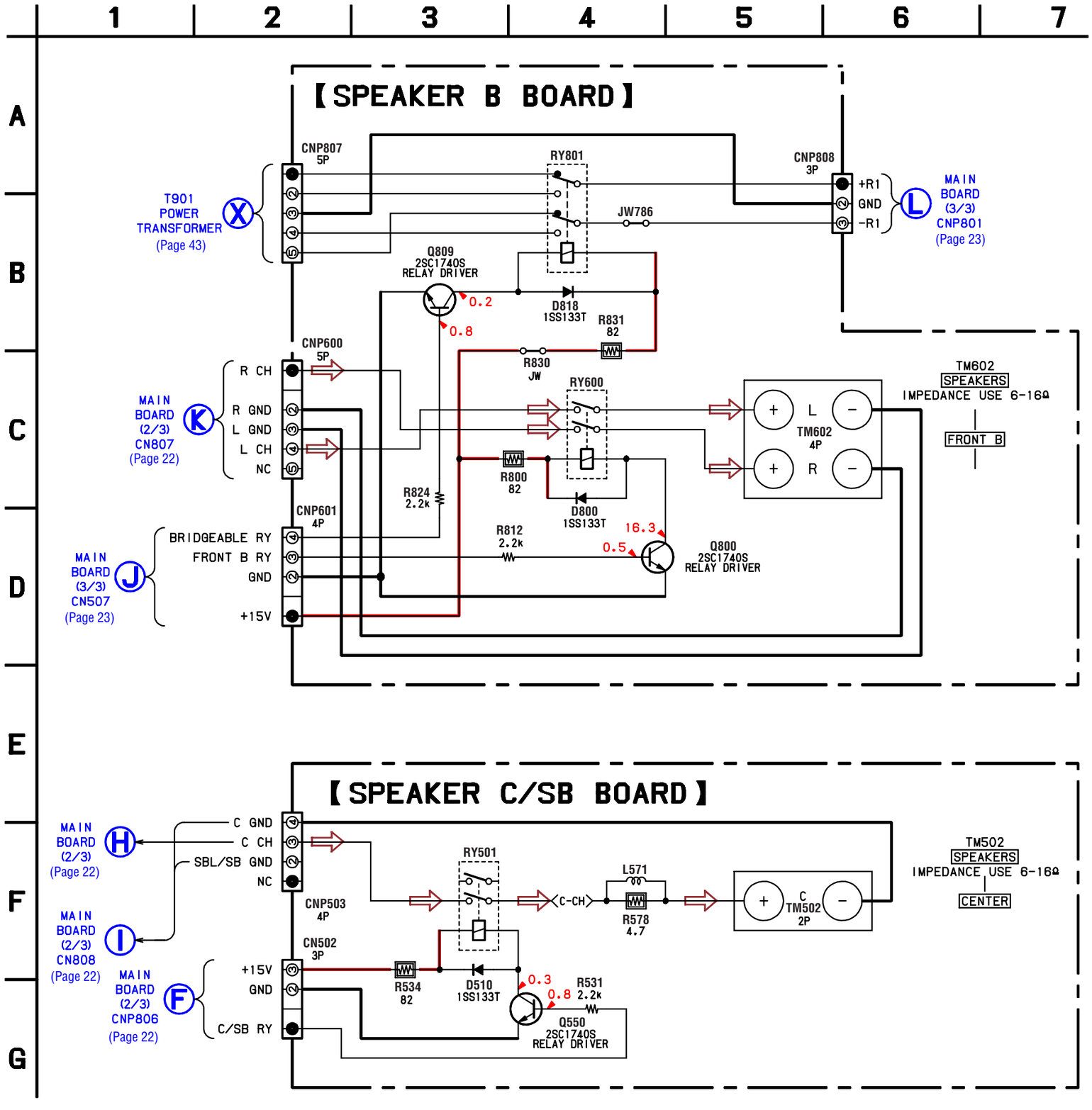
4-19. PRINTED WIRING BOARDS — FRONT B/CENTER SPEAKER SECTION — • Refer to page 12 for Circuit Boards Location. : Uses unleaded solder.



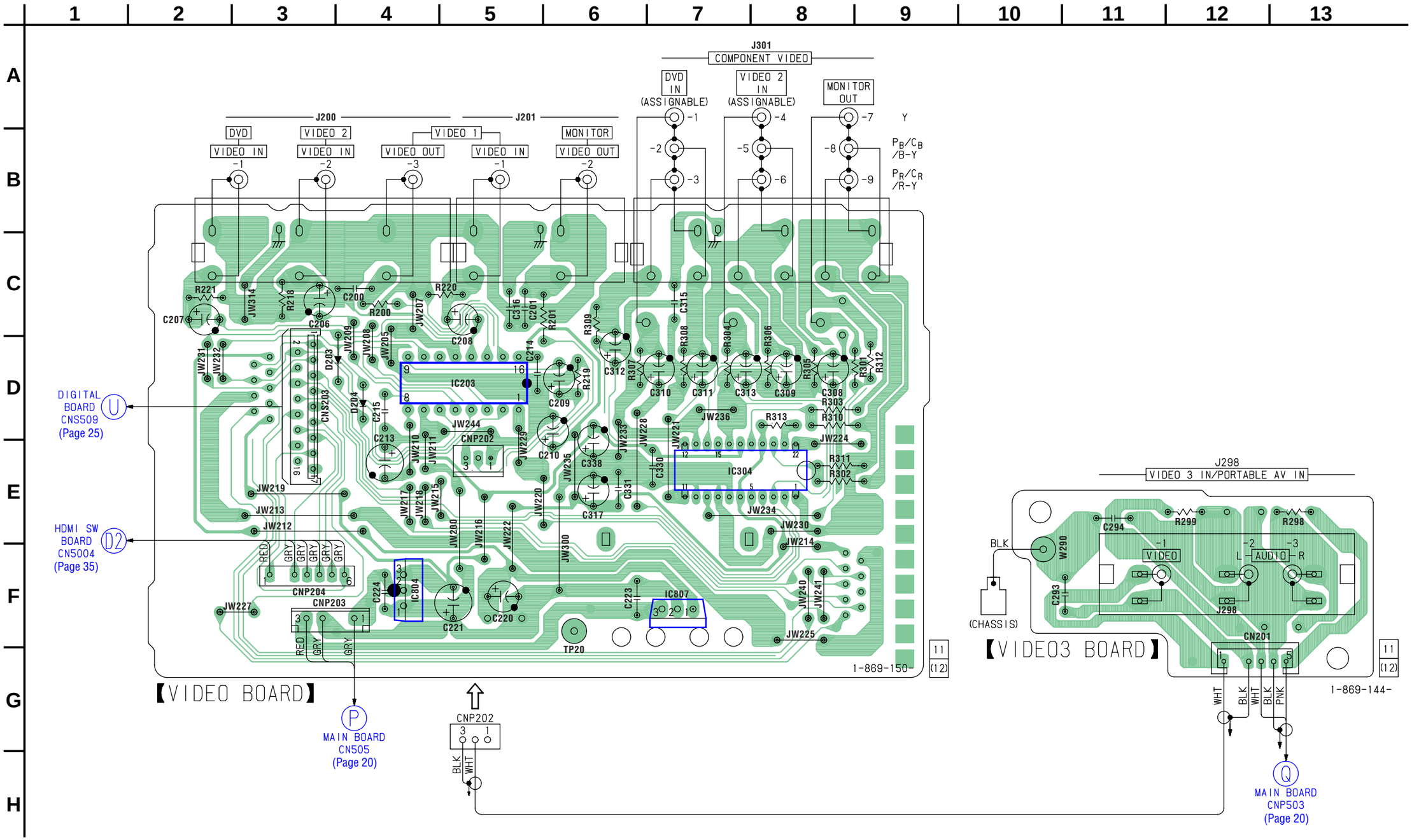
• **Semiconductor Location**

Ref. No.	Location
D510	F-9
D800	E-5
D818	E-5
Q550	F-10
Q800	D-3
Q809	E-3

4-20. SCHEMATIC DIAGRAM — FRONT B/CENTER SPEAKER SECTION —



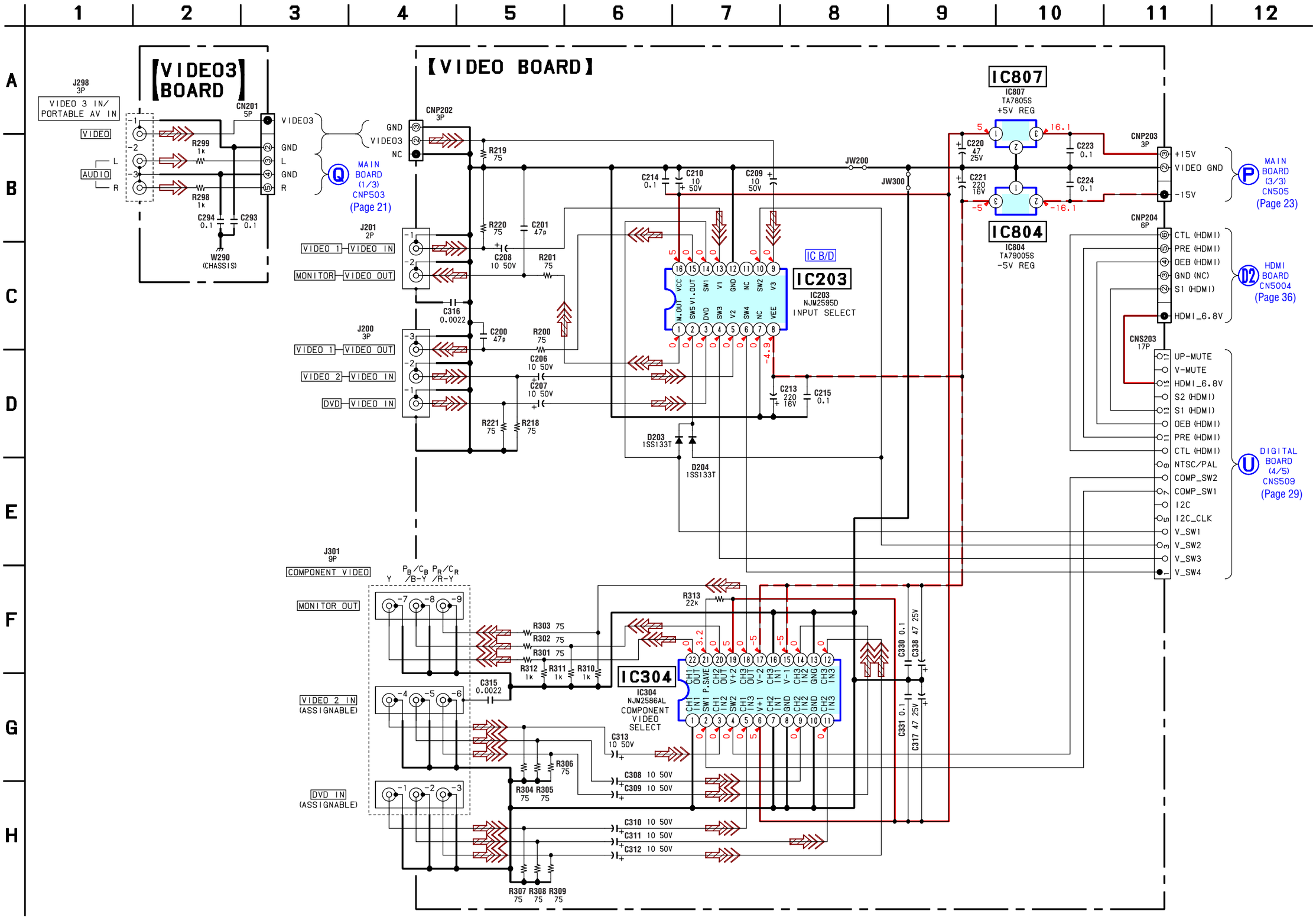
4-21. PRINTED WIRING BOARDS — VIDEO SECTION — • Refer to page 12 for Circuit Boards Location. : Uses unleaded solder.



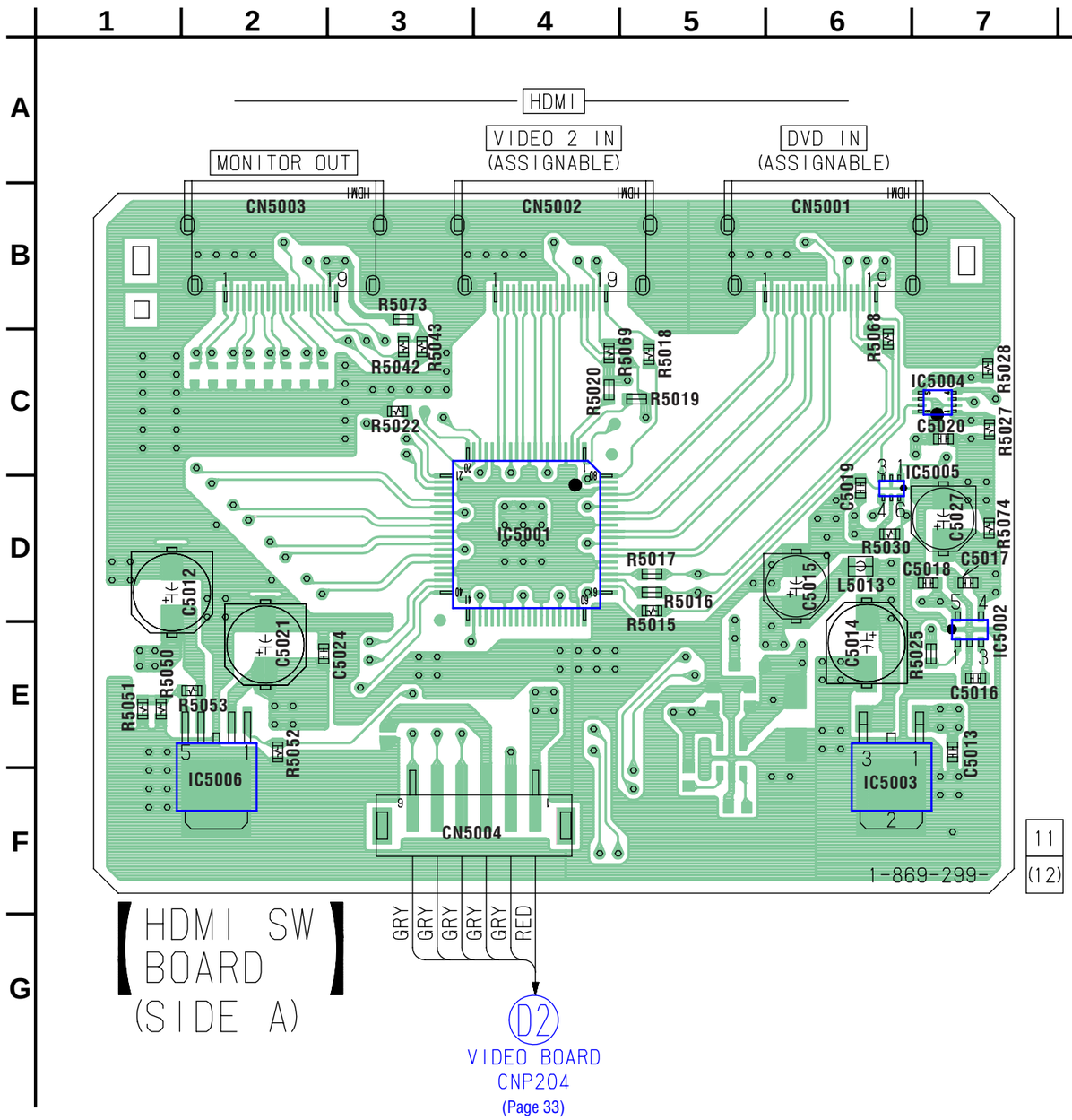
• **Semiconductor Location**

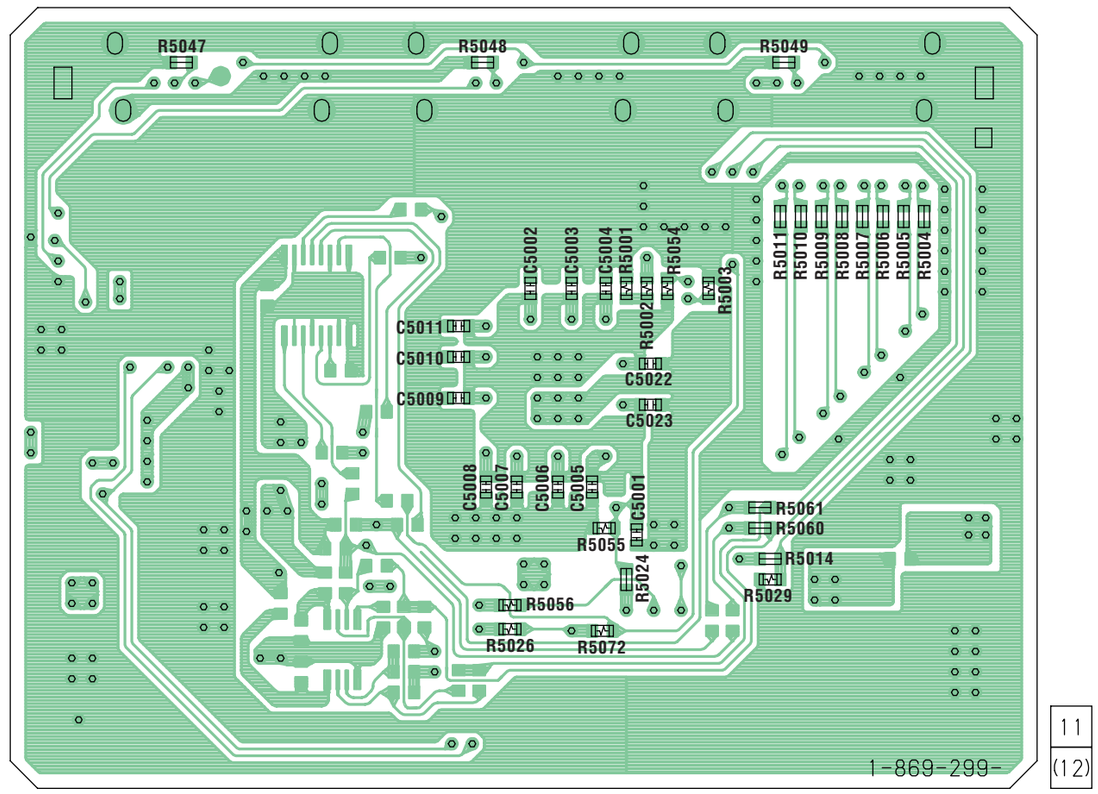
Ref. No.	Location
D203	D-3
D204	D-4
IC203	D-5
IC304	E-7
IC804	F-4
IC807	F-7

4-22. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 45 for IC Block Diagrams.



4-23. PRINTED WIRING BOARD — HDMI SECTION — • Refer to page 12 for Circuit Boards Location. **: Uses unleaded solder.**

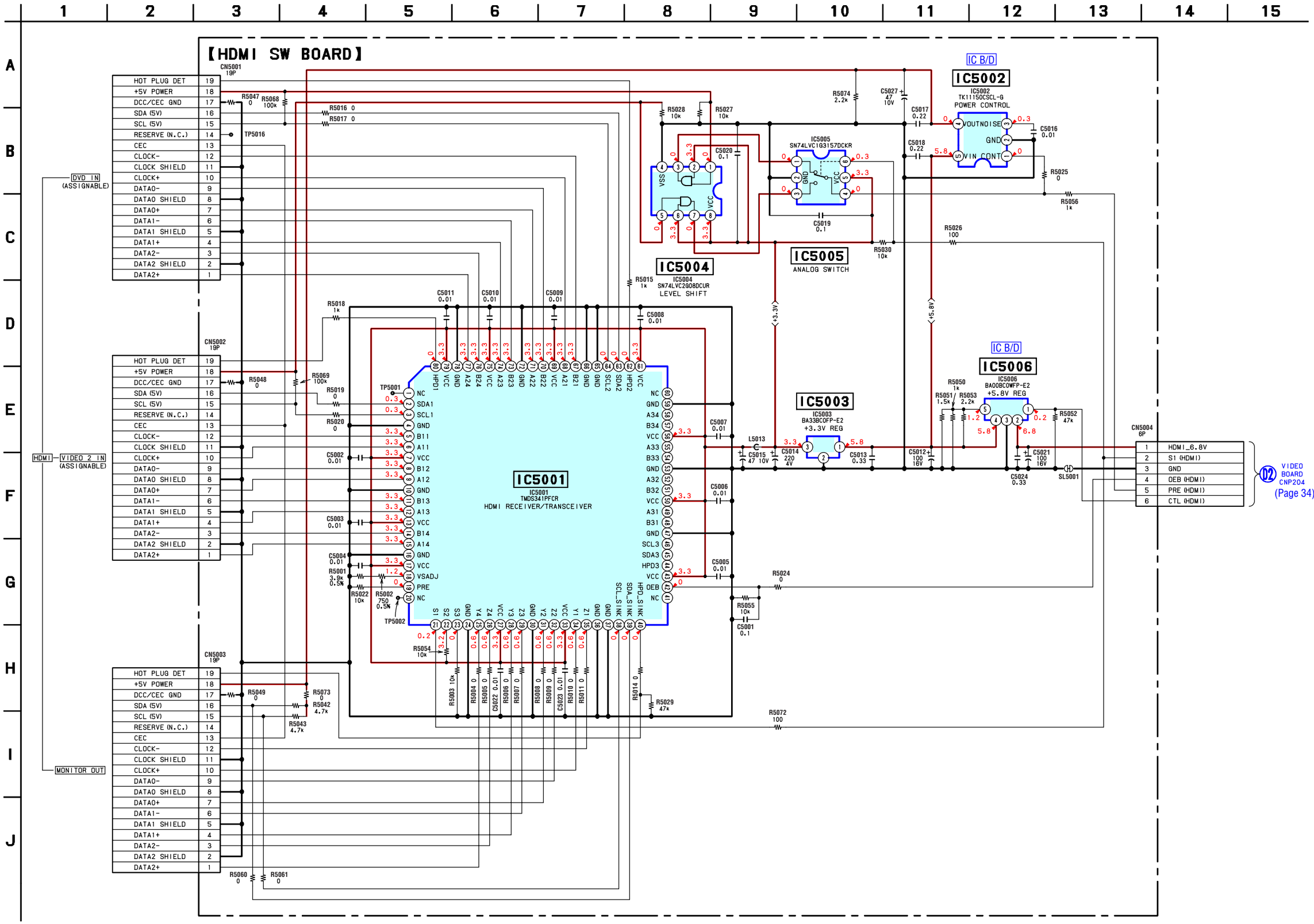




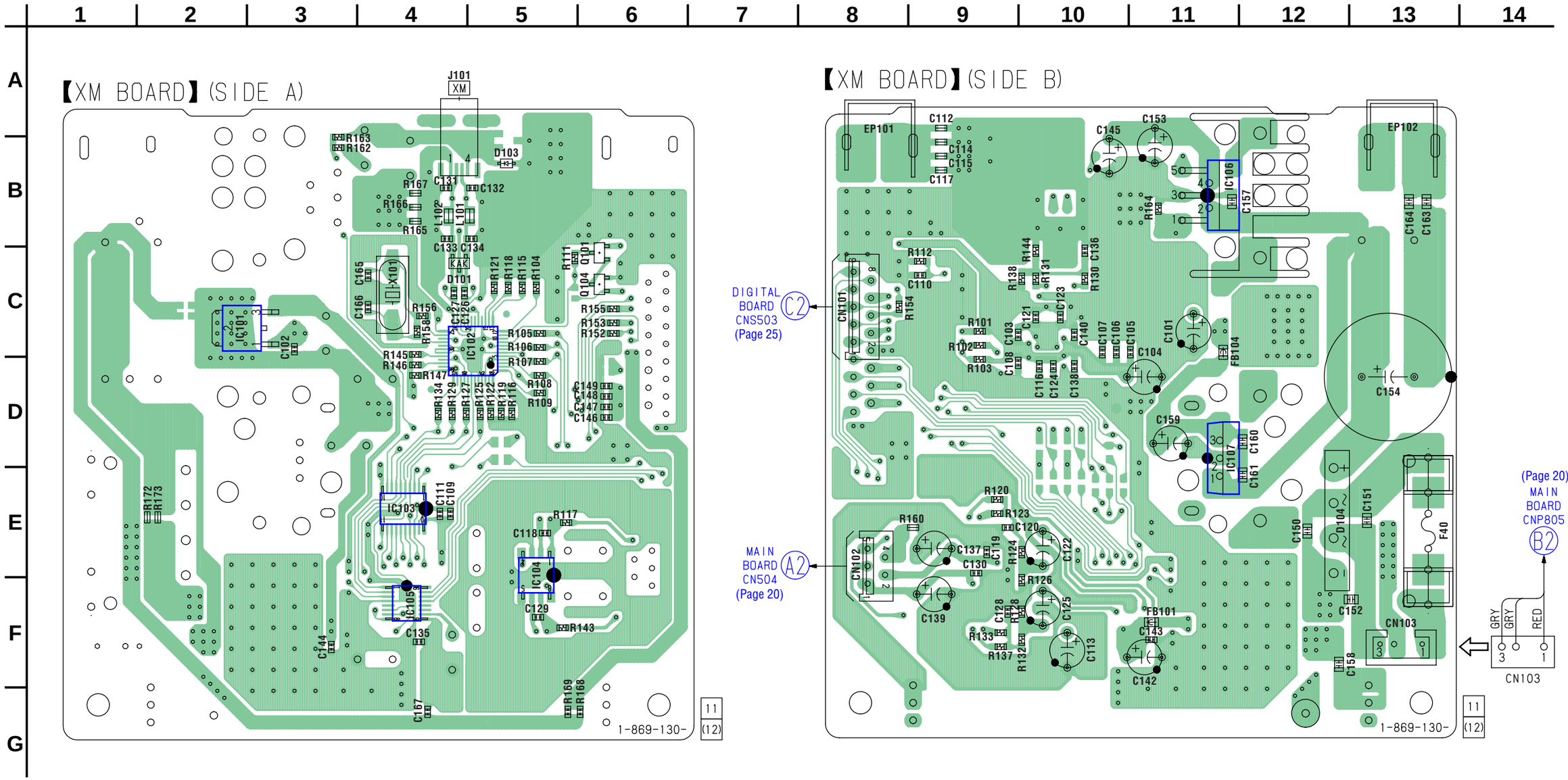
- **Semiconductor Location**

Ref. No.	Location
IC5001	D-4
IC5002	E-7
IC5003	F-6
IC5004	C-7
IC5005	D-6
IC5006	F-2

4-24. SCHEMATIC DIAGRAM — HDMI SECTION — • Refer to page 45 for IC Block Diagrams and page 51 for IC Pin Descriptions.



4-25. PRINTED WIRING BOARD — XM SECTION — • Refer to page 12 for Circuit Boards Location. : Uses unleaded solder.

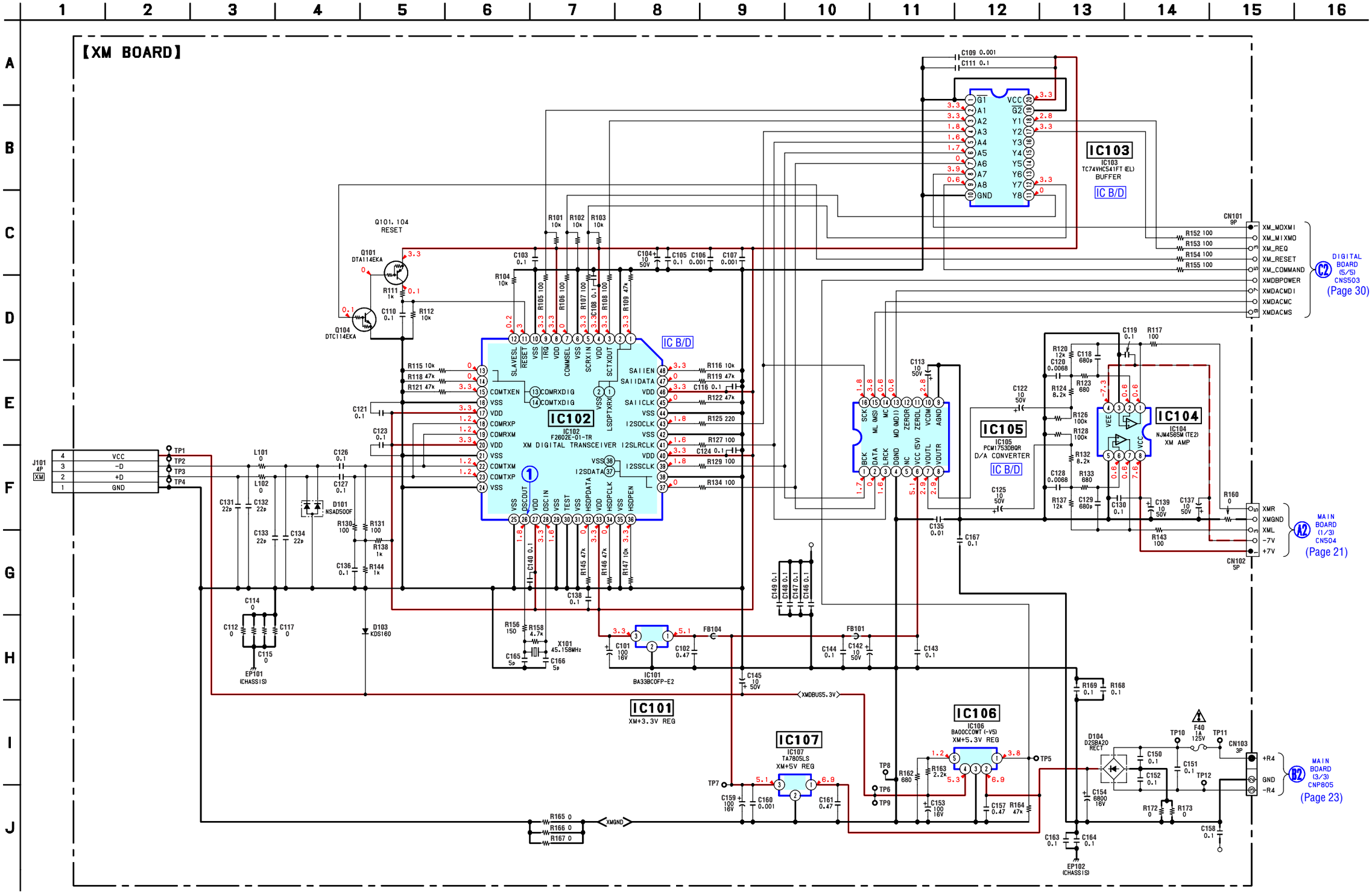


- **Semiconductor Location**

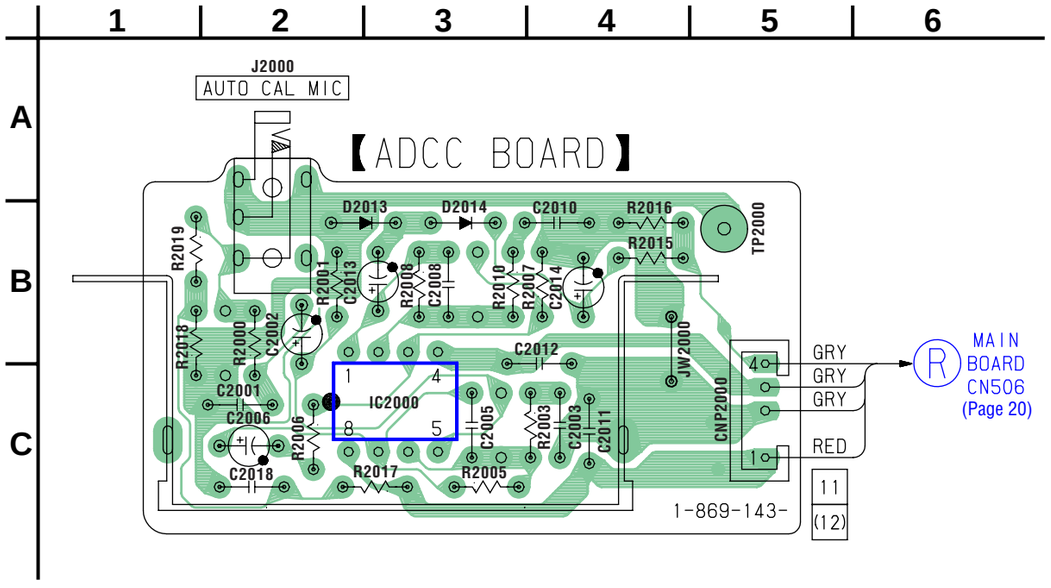
Ref. No.	Location
D101	C-4
D103	B-5
(D104)	E-12
IC101	C-2
IC102	C-5
IC103	E-4
IC104	E-5
IC105	F-4
(IC106)	B-11
(IC107)	D-11
Q101	C-6
Q104	C-6

( ) : SIDE B

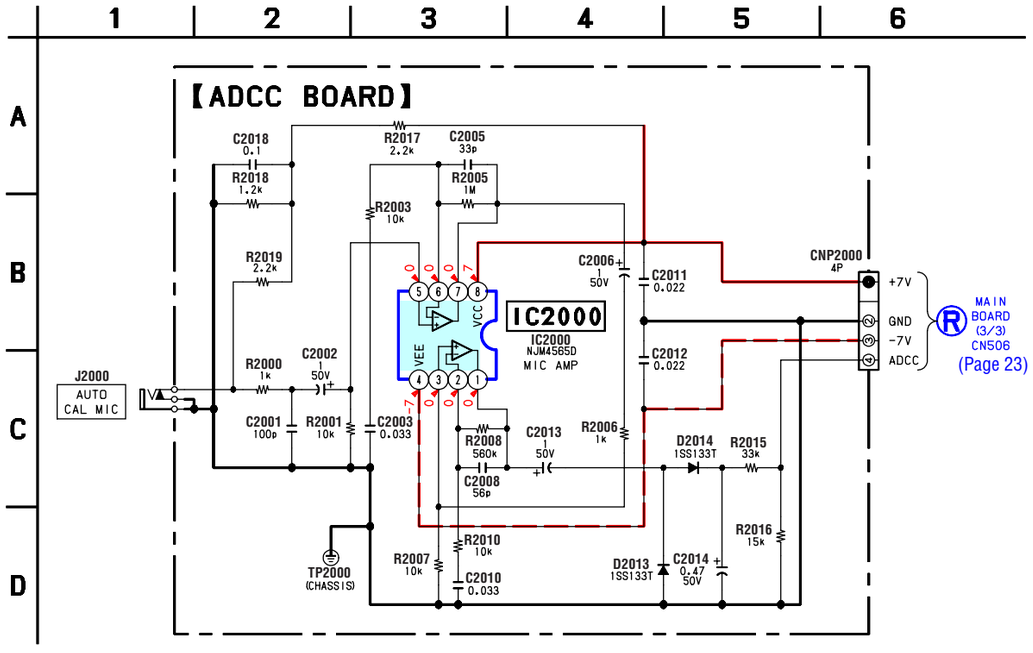
4-26. SCHEMATIC DIAGRAM — XM SECTION — • Refer to page 13 for Waveform and page 46 for IC Block Diagrams.



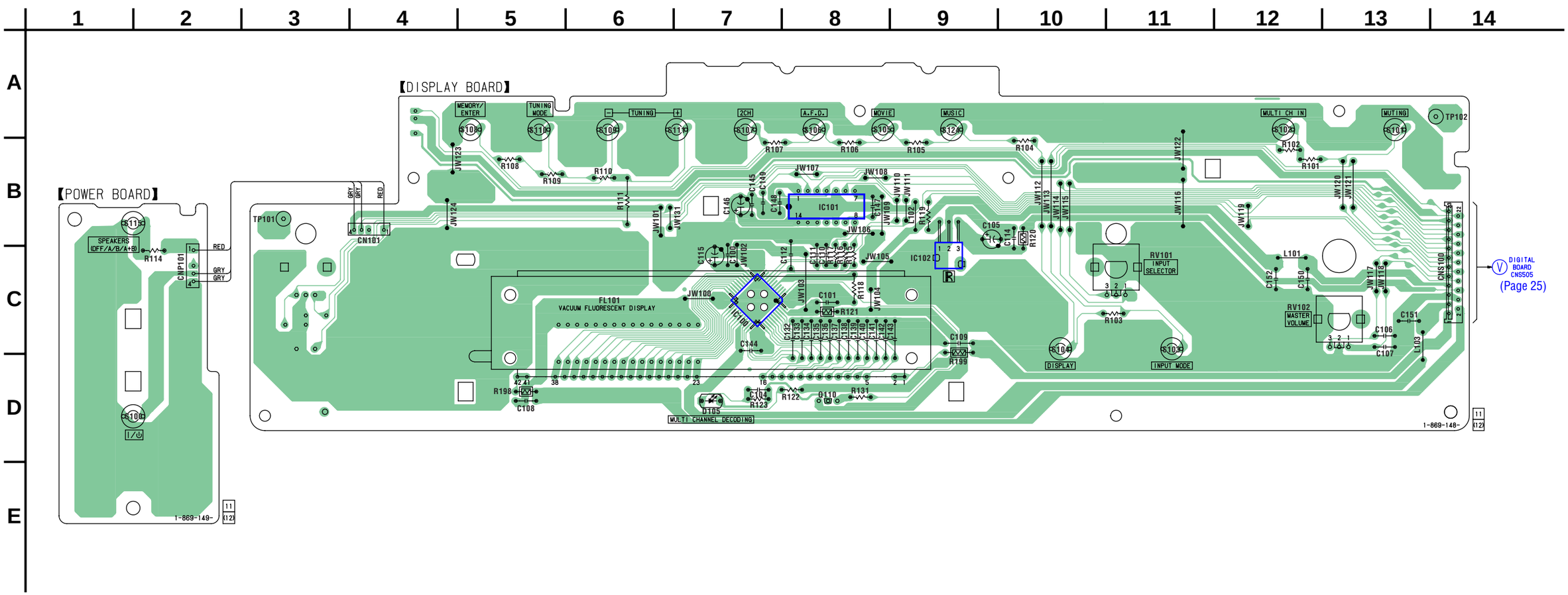
4-27. PRINTED WIRING BOARD — ADCC SECTION — **• Refer to page 12 for Circuit Boards Location.** **: Uses unleaded solder.**



4-28. SCHEMATIC DIAGRAM — ADCC SECTION —



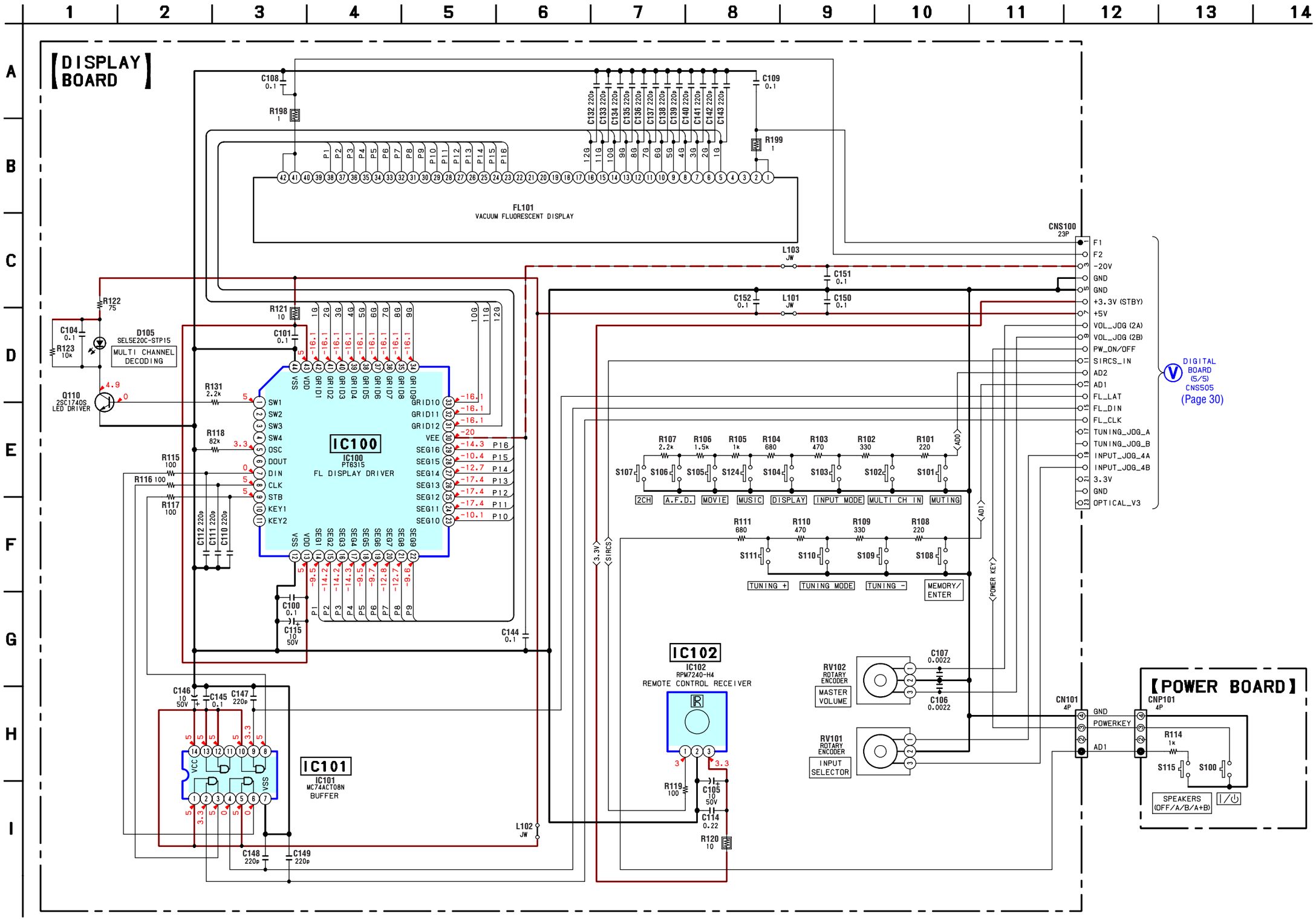
4-29. PRINTED WIRING BOARDS — DISPLAY SECTION — • Refer to page 12 for Circuit Boards Location. : Uses unleaded solder.



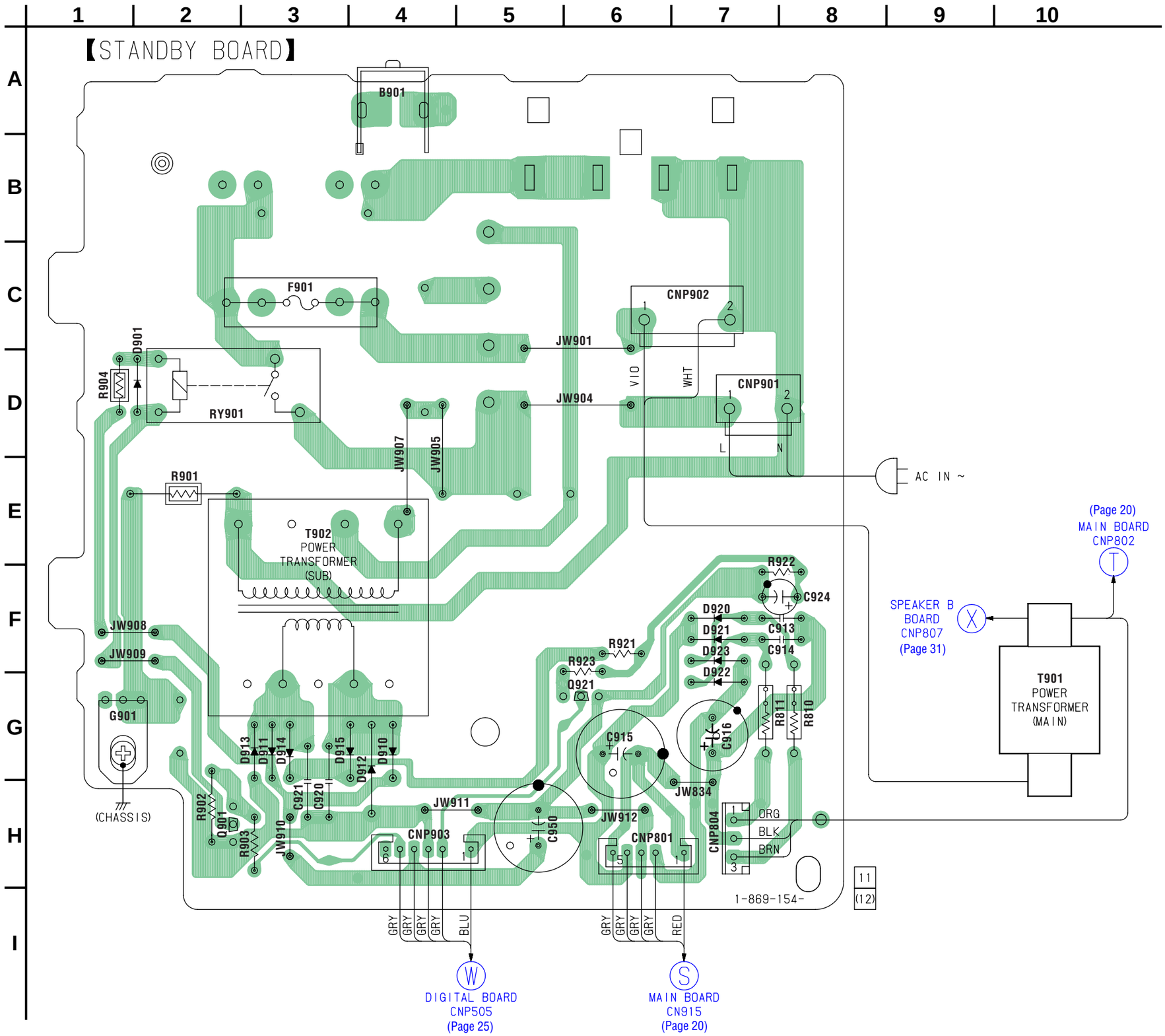
• **Semiconductor Location**

Ref. No.	Location
D105	D-7
IC100	C-7
IC101	B-8
IC102	C-9
Q110	D-8

4-30. SCHEMATIC DIAGRAM — DISPLAY SECTION —



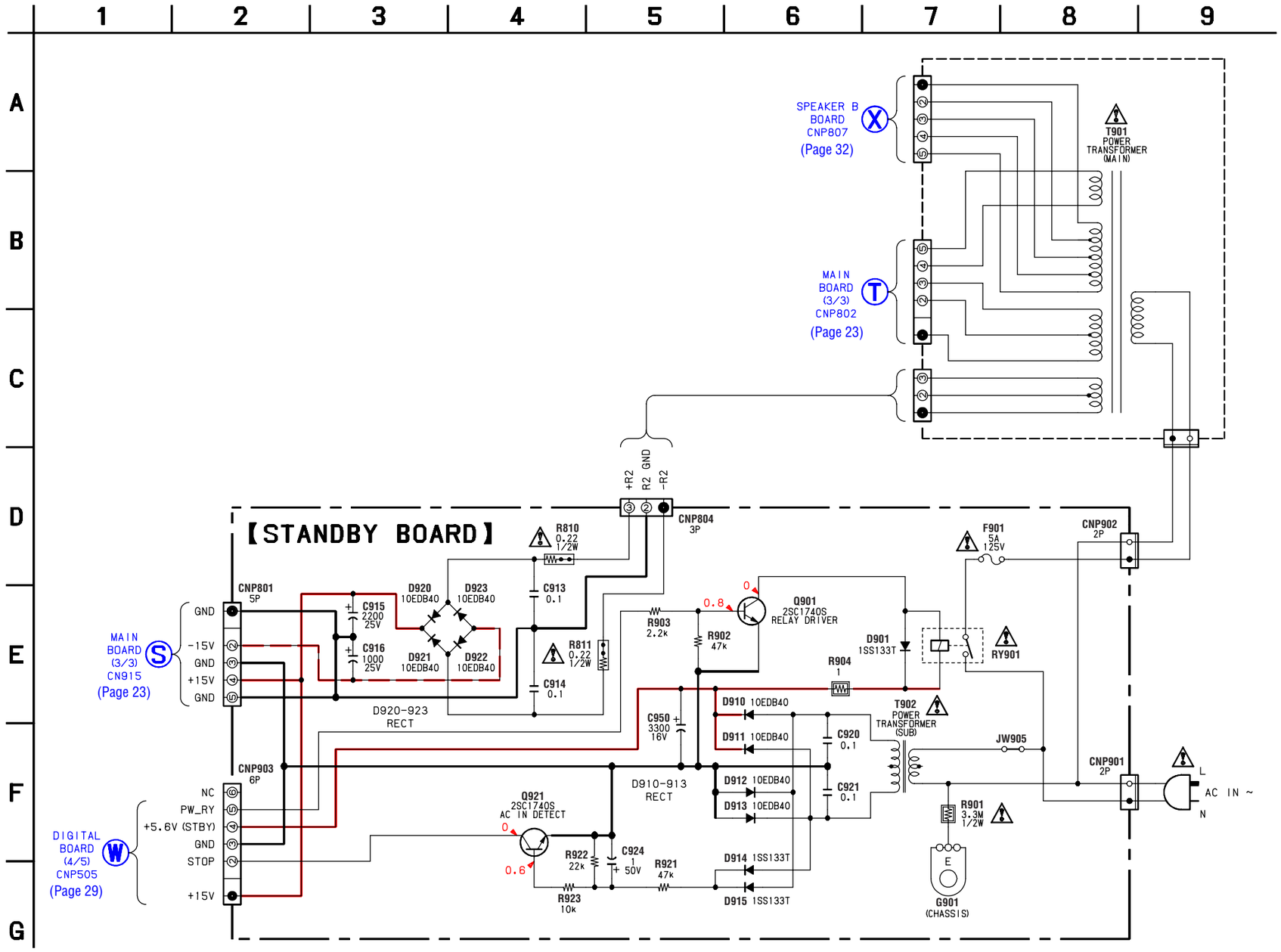
4-31. PRINTED WIRING BOARD — POWER SECTION — • Refer to page 12 for Circuit Boards Location. : Uses unleaded solder.



- **Semiconductor Location**

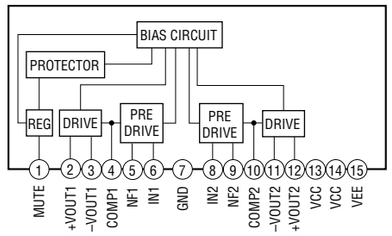
Ref. No.	Location
D901	D-2
D910	G-4
D911	G-3
D912	G-4
D913	G-3
D914	G-3
D915	G-3
D920	F-7
D921	F-7
D922	G-7
D923	F-7
Q901	H-2
Q921	G-6

4-32. SCHEMATIC DIAGRAM — POWER SECTION —

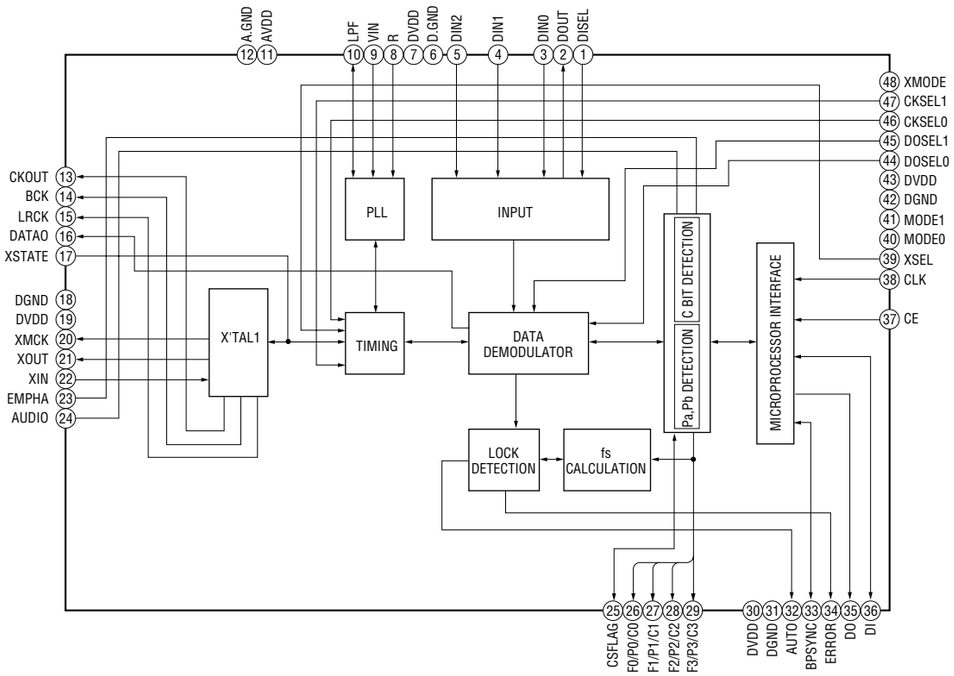


• IC Block Diagrams

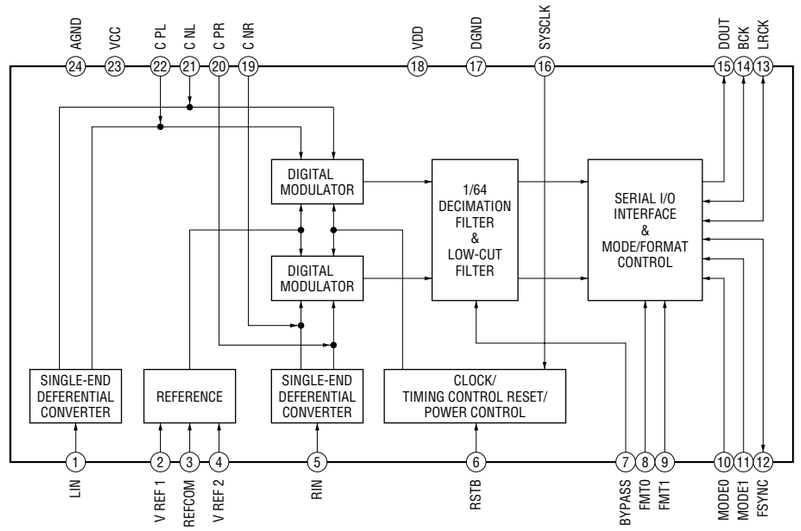
IC501 µPC2581V-S (MAIN BOARD (2/3))
IC601 µPC2581V-S (MAIN BOARD (2/3))
IC701 µPC2581V-S (MAIN BOARD (2/3))



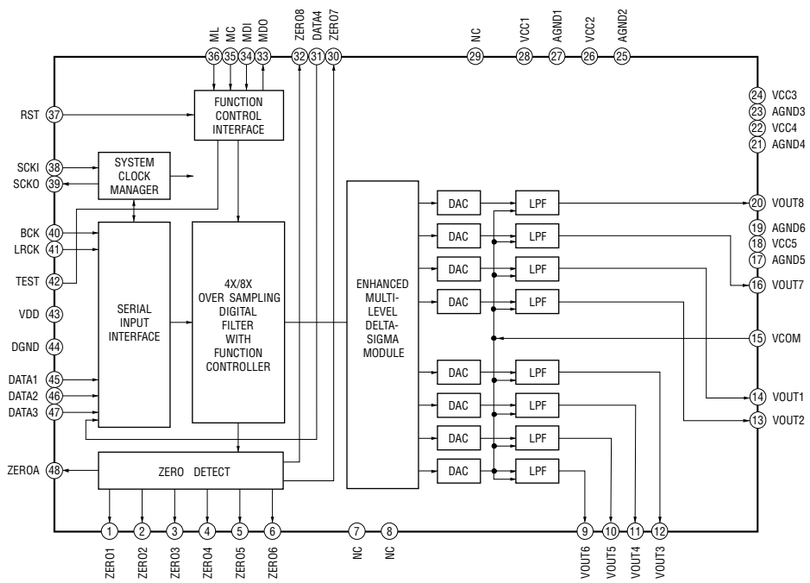
IC1301 LC89056W-E (DIGITAL BOARD (1/5))



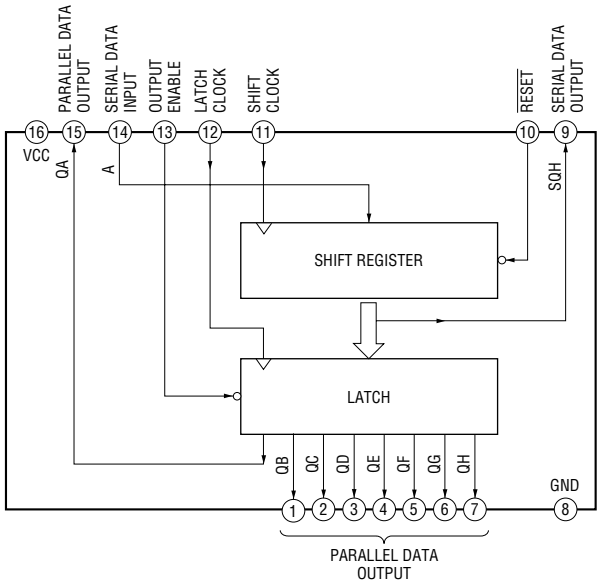
IC1401 PCM1800E/2K (DIGITAL BOARD (3/5))



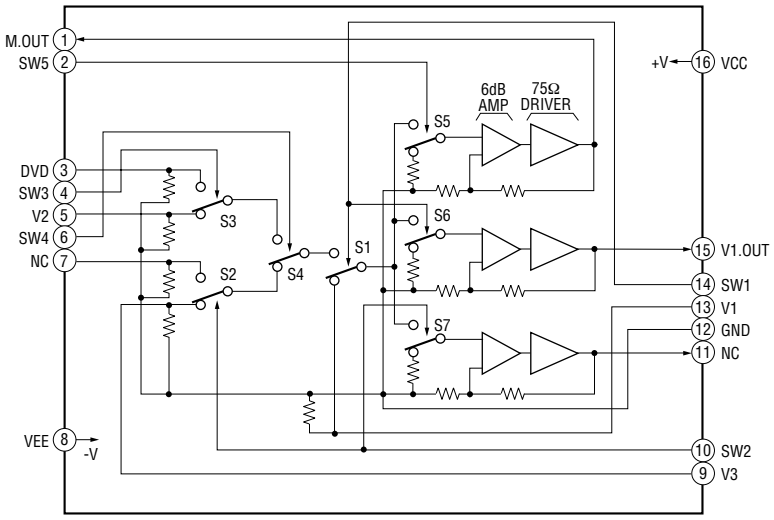
IC1452 PCM1609APT (DIGITAL BOARD (3/5))



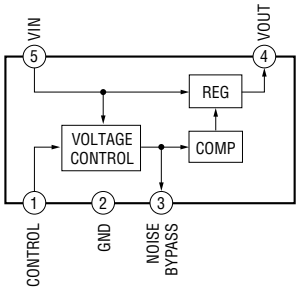
IC1601 SN74HC595ANSR (DIGITAL BOARD (4/5))
IC1602 SN74HC595ANSR (DIGITAL BOARD (4/5))



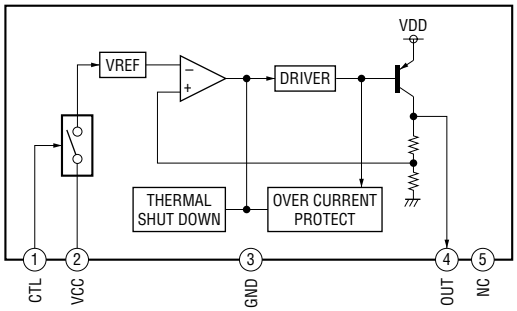
IC203 NJM2595D (VIDEO BOARD)



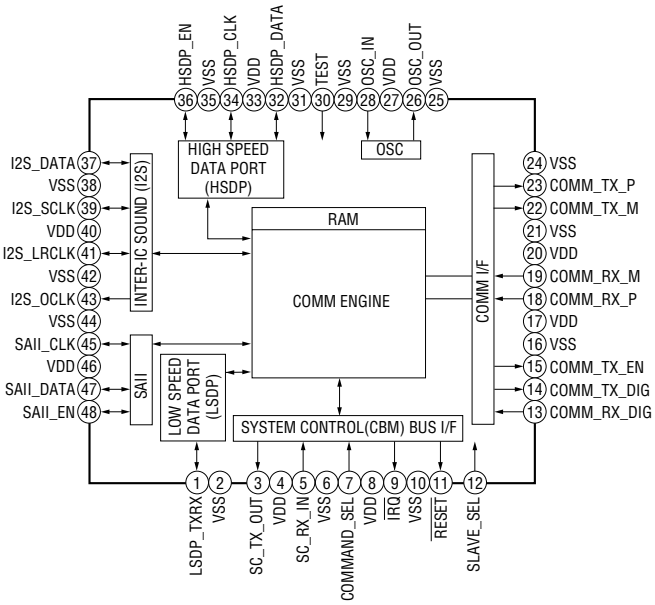
IC5002 TK11150CSCL-G (HDMI SW BOARD)



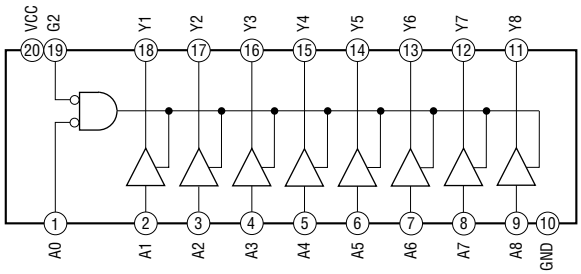
IC5006 BA00BC0WFP-E2 (HDMI SW BOARD)



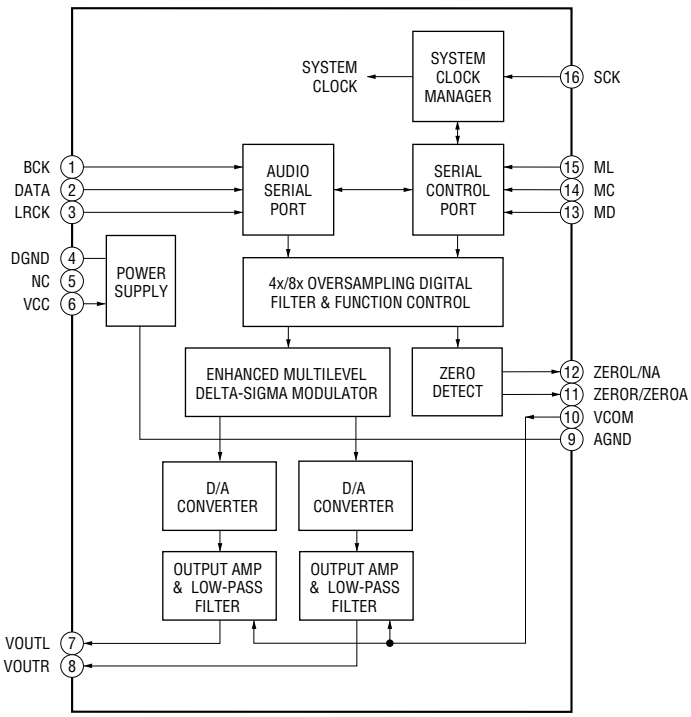
IC102 F2602E-01-TR (XM BOARD)



IC103 TC74VHC541FT(EL) (XM BOARD)



IC105 PCM1753DBQR (XM BOARD)



• IC Pin Descriptions

IC1501 CXD9718BQ (DSP) (DIGITAL BOARD (2/5))

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground
2	XRST	I	Reset signal input from SYSTEM CONTROL IC
3	EXTIN	I	Not used (Connect to ground)
4	LRCKI3	I	Not used (Connect to ground)
5	VDDI	I	Power supply pin (+2.6 V)
6	BCKI3	I	Not used (Connect to ground)
7	PLOCK	O	Not used (Open)
8	VSS	—	Ground
9	MCLK1	I	Clock signal input (13.9 MHz)
10	VDDI	I	Power supply pin (+2.6 V)
11	VSS	—	Ground
12	MCLK2	O	Clock signal output (13.9 MHz)
13	MS	I	Not used (Fixed at L)
14	SCKOUT	O	Internal system clock signal output for 8CH DAC IC
15	LRCKI1	I	Sampling clock signal input from ADC IC
16	VDDE	I	Power supply pin (+3.3 V)
17	BCKI1	I	Bit clock signal input from ADC IC
18	SDI1	I	Audio IF data input from ADC IC
19	LRCKO	O	Sampling clock signal output for 8CH DAC IC
20	BCKO	O	Bit clock signal output for 8CH DAC IC
21	VSS	—	Ground
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for DIR IC
23 to 26	SDO1 to SDO4	O	Digital audio serial data output for 8CH DAC IC
27	SPDIF	O	Not used (Open)
28	LRCKI2	I	Sampling clock signal input from ADC IC
29	BCKI2	I	Bit clock signal input from ADC IC
30	SDI2	I	Digital audio serial data input from ADC IC
31	VSS	—	Ground
32	HACN	O	Acknowledge signal output for SYSTEM CONTROL IC
33	HDIN	I	Serial data input from SYSTEM CONTROL IC
34	HCLK	I	Clock signal input from SYSTEM CONTROL IC
35	HDOUT	O	Serial data output for SYSTEM CONTROL IC
36	HCS	I	Chip select signal input from SYSTEM CONTROL IC
37	GP12	I	GP12 signal input from SYSTEM CONTROL IC
38, 39	GP13, GP14	O	Not used (Open)
40	VDDI	I	Power supply pin (+2.6 V)
41	VSS	—	Ground
42	GP15	O	Not used (Open)
43	OE0	O	Not used (Open)
44	CS0	O	External memory chip select signal output for D/A converter IC (SDRAM)
45	WE0	O	SDRAM write enable signal output for D/A converter IC (SDRAM)
46	VDDE	I	Power supply pin (+3.3 V)
47	WMD1	I	Not used (Fixed at H)
48	VSS	—	Ground
49	WMD0	I	Not used (Fixed at H)
50	PAGE2	O	Not used (Open)
51	VSS	—	Ground
52, 53	PAGE1, PAGE0	O	Not used (Open)
54	BOOT	I	Not used (Connect to ground)
55	TST1	O	Not used (Open)
56	BST	I	Boot stop signal input from SYSTEM CONTROL IC

Pin No.	Pin Name	I/O	Pin Description
57	MOD1	I	Operation mode signal input (L: 386fs, H: 256fs) (Fixed at H)
58	MOD0	I	Operation mode signal input (L: single chip mode, H: use prohibited) (Fixed at L)
59	EXLOCK	I	Error detection signal input from DIR IC
60	VDDI	I	Power supply pin (+2.6 V)
61	VSS	—	Ground
62, 63	A17, A16	O	Not used (Open)
64 to 66	A15 to A13	O	External memory address signal output for D/A converter IC (SDRAM)
67	GP10	O	Not used (Open)
68	GP9	O	GP9 signal output for SYSTEM CONTROL IC
69	GP8	I	Audio signal input from DIR IC
70	VDDI	I	Power supply pin (+2.6 V)
71	VSS	—	Ground
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output for D/A converter IC (general port)
76	VDDE	I	Power supply pin (+3.3 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output for D/A converter IC (general port)
81	VSS	—	Ground
82	A9	O	External memory address signal output for D/A converter IC (SDRAM)
83 to 85	A12 to A10	O	External memory address signal output for D/A converter IC (SDRAM)
86	TDO	O	Not used (Fixed at H)
87	TMS	I	Not used (Fixed at H)
88	XTRST	I	Not used (Fixed at H)
89	TCK	I	Not used (Fixed at H)
90	TDI	I	Not used (Fixed at H)
91	VSS	—	Ground
92 to 97	A8 to A3	O	External memory address signal output for D/A converter IC (SDRAM)
98, 99	D7, D6	I/O	External memory data input/output for D/A converter IC (SDRAM)
100	VDDI	I	Power supply pin (+2.6 V)
101	VSS	—	Ground
102 to 105	D5 to D2	I/O	External memory data input/output for D/A converter IC (SDRAM)
106	VDDE	I	Power supply pin (+3.3 V)
107, 108	D1, D0	I/O	External memory data input/output for D/A converter IC (SDRAM)
109, 110	A2, A1	O	External memory address signal output for D/A converter IC (SDRAM)
111	VSS	—	Ground
112	A0	O	External memory address signal output for D/A converter IC (SDRAM)
113	PM	I	PLL initialization signal input from SYSTEM CONTROL IC
114, 115	SDI3, SDI4	I	Not used (Open)
116	SYNC	I	Sync/async select signal input (L: sync, H: async) (Fixed at H)
117	TST2	I	Not used (Connect to ground)
118	GP11	I	Not used (Connect to ground)
119	TST3	I	Not used (Connect to ground)
120	VDDI	I	Power supply pin (+2.6 V)

IC1101 MB90488BPF-G-175E1 (SYSTEM CONTROL) (DIGITAL BOARD (5/5))

Pin No.	Pin Name	I/O	Pin Description
1	DATAO	I	Serial data line signal input from DIR IC
2	GP9	I	GP9 signal input from DSP IC
3	BST	O	Boot stop control signal output for DSP IC
4	HCS	O	Chip select signal output for DSP IC
5	HACN	I	Acknowledge signal input from DSP IC
6	XRST	O	Reset signal output for DSP IC
7	PM	O	PLL control signal output for DSP IC
8	GP12	O	GP12 signal output for DSP IC
9	FL_LAT	O	Latch signal output for FL driver IC
10	PCM1609/1800_RST	O	Reset signal output for 8CH DAC IC/ADC IC
11	VSS	—	Ground
12	PCM1609_ML	O	Serial latch signal output for 8CH DAC IC
13	PCM1609_MC/XMDACMC	O	Serial clock signal output for 8CH DAC IC/XM DIGITAL TRANSCEIVER IC
14	PCM1609_MDI/XMDACMI	O	Serial data output for 8CH DAC IC/XM DIGITAL TRANSCEIVER IC
15	PCM1609_MDO	I	Serial data input from 8CH DAC IC
16	T.SERIAL_CLK/FL_CLK	O	Serial clock signal output for tuner pack/Clock signal output for FL driver IC
17	TUNER_DATA/FL_DATA	O	Serial data output for tuner pack/Serial data output for FL driver IC
18	HDOUT	I	Serial data input from DSP IC
19	HDIN	O	Serial data output for DSP IC
20	HCLK	O	Serial data clock signal output for DSP IC
21	TUNING_A	I	Not used (Fixed at H)
22	TUNING_B	I	Not used (Fixed at H)
23	VCC5	—	Power supply pin (+3.3 V)
24	FL_RESET (DE8)	O	Not used (Fixed at L)
25	ANA/DIG	O	Not used (Open)
26	XM_RST	O	XM radio reset signal output
27	FLASH2/XM_RX	I	Flash programming signal input 2/XM radio RX signal input
28	FLASH1/XM_TX	O	Flash programming signal output 1/XM radio TX signal output
29	SDA	I/O	Serial data input/output for EEPROM IC
30	SCL	O	Clock signal output for EEPROM IC
31	ENC_A	I	INPUT SELECTOR encoder (A) signal input
32	ENC_B	I	INPUT SELECTOR encoder (B) signal input
33	UPCON	I/O	Serial data input/output for Y/C SEPARATION IC
34	UPCON_CLK	O	Clock signal output for Y/C SEPARATION IC
35	AVCC	—	Power supply pin (+3.3 V)
36	AVRH	—	Power supply pin (+3.3 V)
37	AVSS	—	Ground
38	ADCC	I	ADCC analog signal input
39, 40	A/D1, A/D2	I	Key signal input (A/D port)
41	VERSION	I	Destination detection signal input
42	VSS	—	Ground
43	RDSSIG/XM_REQ	I/O	XM radio request signal input
44	MODEL/CSMUTE (E8)	I/O	Model detection signal input
45	TONE_EN_B (E8)/VACS	I	Not used (Fixed at L)
46	TONE_EN_A (E8)	I	Not used (Fixed at L)
47	XMDACMS	O	Serial latch signal output for XM DIGITAL TRANSCEIVER IC
48	STOP	I	AC off detection signal input
49	MD0	—	Selection of micon operation mode
50	MD1	—	Not used (Connect to VCC)
51	MD2	—	Selection of micon operation mode
52	RDS_CLK/XMDPOWER	I/O	XM digital power control signal output

Pin No.	Pin Name	I/O	Pin Description
53	RDS_DATA/ XM_COMMAND	I/O	XM command control signal output
54	SIRCS	I	SIRCS signal input
55	HP_DETECT	I	Headphones detection signal input
56	POWER_KEY	I	Power key detection signal input
57	ADCC_INT	I	ADCC data input from DSP IC
58	POWER_RY	O	Power relay driver control signal output
59	VOL_CL	O	Clock signal output for DIR IC
60	VOL_DA	O	Serial data and latch output for DIR IC
61	PROTECTOR	I	Protector detection signal input
62	HP_RY	O	Headphone relay driver control signal output
63	FUSE_DETECT	I	Fuse open detection signal input
64	VOL_ENCODER (B)	I	MASTER VOLUME encoder (B) signal input
65	VOL_ENCODER (A)	I	MASTER VOLUME encoder (A) signal input
66	FRONT_RY	O	Front speaker relay driver control signal output
67	SP_B_RY	O	Front speaker B relay driver control signal output
68	C/SB_RY	O	Center/Surround back speaker relay driver control signal output
69	REAR_RY	O	Surround speaker relay driver control signal output
70	SW_RY	O	Sub woofer relay driver control signal output
71	ANALOG_SW_CLK (DE8)	O	Not used (Open)
72	BRIDGEABLE_RY	O	Bridgeable relay driver control signal output
73	DO	I	Tuner serial data input
74	SLATCH	O	Tuner latch signal output
75	TUNED	I	Tuned signal detection input
76	STEREO	I	Stereo signal detection input
77	RSTX	I	Reset signal input
78	MUTE	O	Tuner mute signal output
79	X1A	—	Not used (Open)
80	X0A	V	Not used (Connect to VSS)
81	VSS	—	Ground
82	X0	—	Clock signal input (24 MHz)
83	X1	—	Clock signal output (24 MHz)
84	VCC3	—	Power supply pin (+3.3 V)
85	ANALOG_SW_DATA (DE8)	O	Not used (Open)
86	D595_DATA	O	Serial data output for I/O EXPANDER IC
87	D595_CLK	O	Serial clock signal output for I/O EXPANDER IC
88	$\overline{\text{D595_OE}}$	O	Serial output enable signal output for I/O EXPANDER IC
89	D595_LAT	O	Serial latch signal output for I/O EXPANDER IC
90	SELECT2	O	Not used (Open)
91	SELECT1	O	Not used (Open)
92	BST_SEL	O	96/24 signal output for DSP IC
93	XMODE	O	Xmode signal output for DIR IC
94	CKSEL1	O	Clock select signal output for DIR IC
95	CLK	O	Data clock signal output for DIR IC
96	CE	O	Latch signal output for DIR IC
97	DI	O	Data output for DIR IC
98	DO	I	Data input from DIR IC
99	ERROR	I	Error detection signal input from DIR IC
100	XSTATE	I	Xstate signal input from DIR IC

IC5001 TMDS341PFCR (HDMI RECEIVER/TRANSCEIVER) (HDMI SW BOARD)

Pin No.	Pin Name	I/O	Pin Description
1	NC	—	Not used (Open)
2	SDA1	I/O	I2C two-way data bus with HDMI VIDEO 2 IN connector
3	SCL1	I	I2C clock signal input from HDMI VIDEO 2 IN connector
4	GND	—	Ground
5	B11	I	TMDS clock signal (negative) input from HDMI VIDEO 2 IN connector
6	A11	I	TMDS clock signal (positive) input from HDMI VIDEO 2 IN connector
7	VCC	—	Power supply pin (+3.3 V)
8	B12	I	TMDS data (negative) input from HDMI VIDEO 2 IN connector
9	A12	I	TMDS data (positive) input from HDMI VIDEO 2 IN connector
10	GND	—	Ground
11	B13	I	TMDS data (negative) input from HDMI VIDEO 2 IN connector
12	A13	I	TMDS data (positive) input from HDMI VIDEO 2 IN connector
13	VCC	—	Power supply pin (+3.3 V)
14	B14	I	TMDS data (negative) input from HDMI VIDEO 2 IN connector
15	A14	I	TMDS data (positive) input from HDMI VIDEO 2 IN connector
16	GND	—	Ground
17	VCC	—	Power supply pin (+3.3 V)
18	VSADJ	I	TMDS compliant voltage swing control signal input (Fixed at L in this set)
19	PRE	I	Output de-emphasis setting pin (L: 0 dB, H: 3 dB) (Fixed at L in this set)
20	NC	—	Not used (Open)
21	S1	I	Source selection signal input from SYSTEM CONTROL IC
22	S2	I	Source selection signal input from SYSTEM CONTROL IC (Fixed at H in this set)
23	S3	I	Source selection signal input from SYSTEM CONTROL IC (Fixed at L in this set)
24	GND	—	Ground
25	Y4	O	TMDS data (positive) output for HDMI MONITOR OUT connector
26	Z4	O	TMDS data (negative) output for HDMI MONITOR OUT connector
27	VCC	—	Power supply pin (+3.3 V)
28	Y3	O	TMDS data (positive) output for HDMI MONITOR OUT connector
29	Z3	O	TMDS data (negative) output for HDMI MONITOR OUT connector
30	GND	—	Ground
31	Y2	O	TMDS data (positive) output for HDMI MONITOR OUT connector
32	Z2	O	TMDS data (negative) output for HDMI MONITOR OUT connector
33	VCC	—	Power supply pin (+3.3 V)
34	Y1	O	TMDS data (positive) output for HDMI MONITOR OUT connector
35	Z1	O	TMDS data (negative) output for HDMI MONITOR OUT connector
36, 37	GND	—	Ground
38	SCL_SINK	O	I2C clock signal output for HDMI MONITOR OUT connector
39	SDA_SINK	I/O	I2C two-way data bus with HDMI MONITOR OUT connector
40	HPD_SINK	I	Hot plug detection signal input from HDMI MONITOR OUT connector
41	NC	—	Not used (Open)
42	OEB	I	Chip enable signal input from SYSTEM CONTROL IC (L: active)
43	VCC	—	Power supply pin (+3.3 V)
44	HPD3	O	Hot plug detection signal output (Not used in this set)
45	SDA3	I/O	I2C two-way data bus (Not used in this set)
46	SCL3	I	I2C clock signal input
47	GND	—	Ground
48	B31	I	TMDS clock signal (negative) input (Not used in this set)
49	A31	I	TMDS clock signal (positive) input (Not used in this set)
50	VCC	—	Power supply pin (+3.3 V)
51	B32	I	TMDS data (negative) input (Not used in this set)
52	A32	I	TMDS data (positive) input (Not used in this set)
53	GND	—	Ground

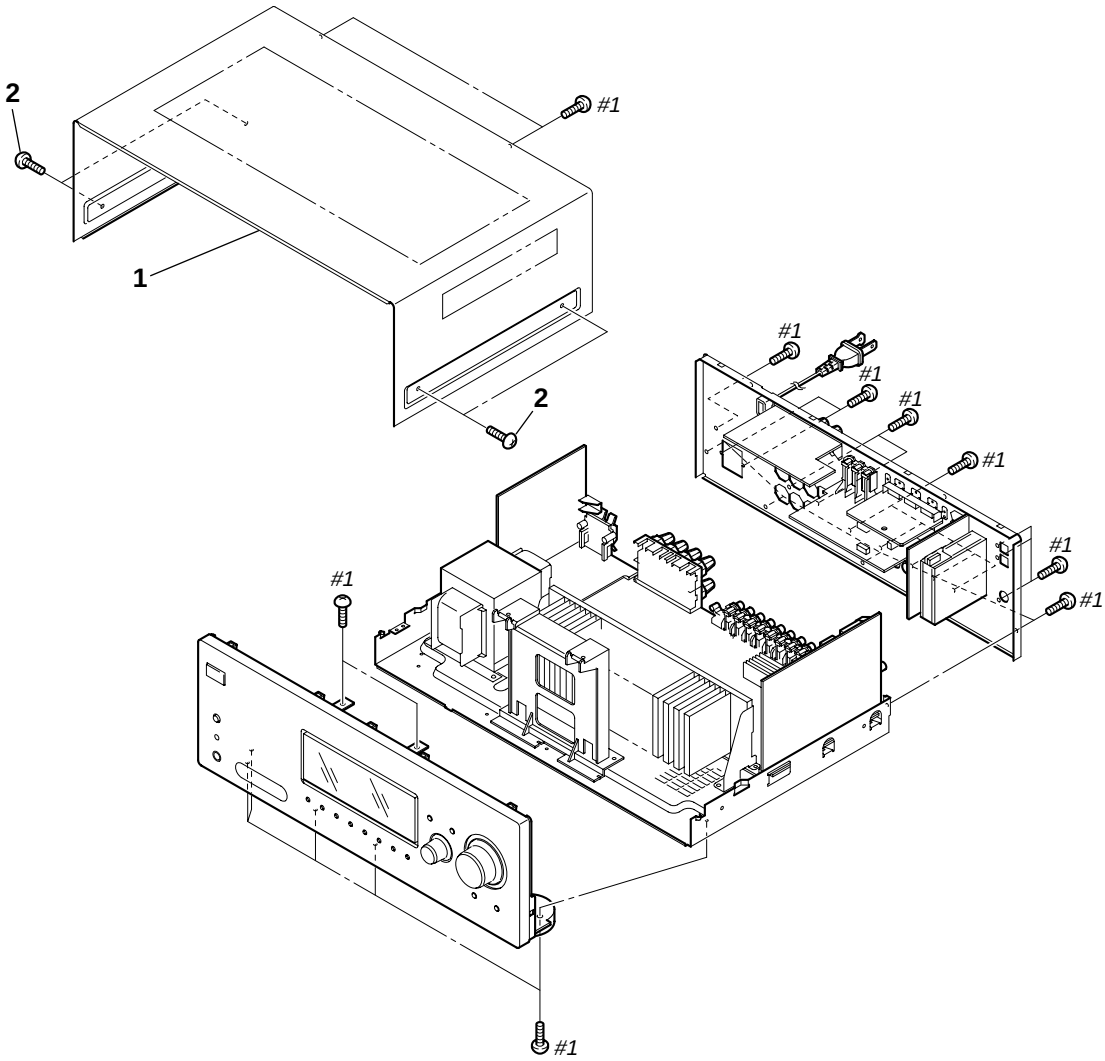
Pin No.	Pin Name	I/O	Pin Description
54	B33	I	TMDS data (negative) input (Not used in this set)
55	A33	I	TMDS data (positive) input (Not used in this set)
56	VCC	—	Power supply pin (+3.3 V)
57	B34	I	TMDS data (negative) input (Not used in this set)
58	A34	I	TMDS data (positive) input (Not used in this set)
59	GND	—	Ground
60	NC	—	Not used (Open)
61	VCC	—	Power supply pin (+3.3 V)
62	HPD2	O	Hot plug detection signal output for HDMI DVD IN connector
63	SDA2	I/O	I2C two-way data bus with HDMI DVD IN connector
64	SCL2	I	I2C clock signal input from HDMI DVD IN connector
65, 66	GND	—	Ground
67	B21	I	TMDS clock signal (negative) input from HDMI DVD IN connector
68	A21	I	TMDS clock signal (positive) input from HDMI DVD IN connector
69	VCC	—	Power supply pin (+3.3 V)
70	B22	I	TMDS data (negative) input from HDMI DVD IN connector
71	A22	I	TMDS data (positive) input from HDMI DVD IN connector
72	GND	—	Ground
73	B23	I	TMDS data (negative) input from HDMI DVD IN connector
74	A23	I	TMDS data (positive) input from HDMI DVD IN connector
75	VCC	—	Power supply pin (+3.3 V)
76	B24	I	TMDS data (negative) input from HDMI DVD IN connector
77	A24	I	TMDS data (positive) input from HDMI DVD IN connector
78	GND	—	Ground
79	VCC	—	Power supply pin (+3.3 V)
80	HPD1	O	Hot plug detection signal output for HDMI VIDEO 2 IN connector

SECTION 5
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

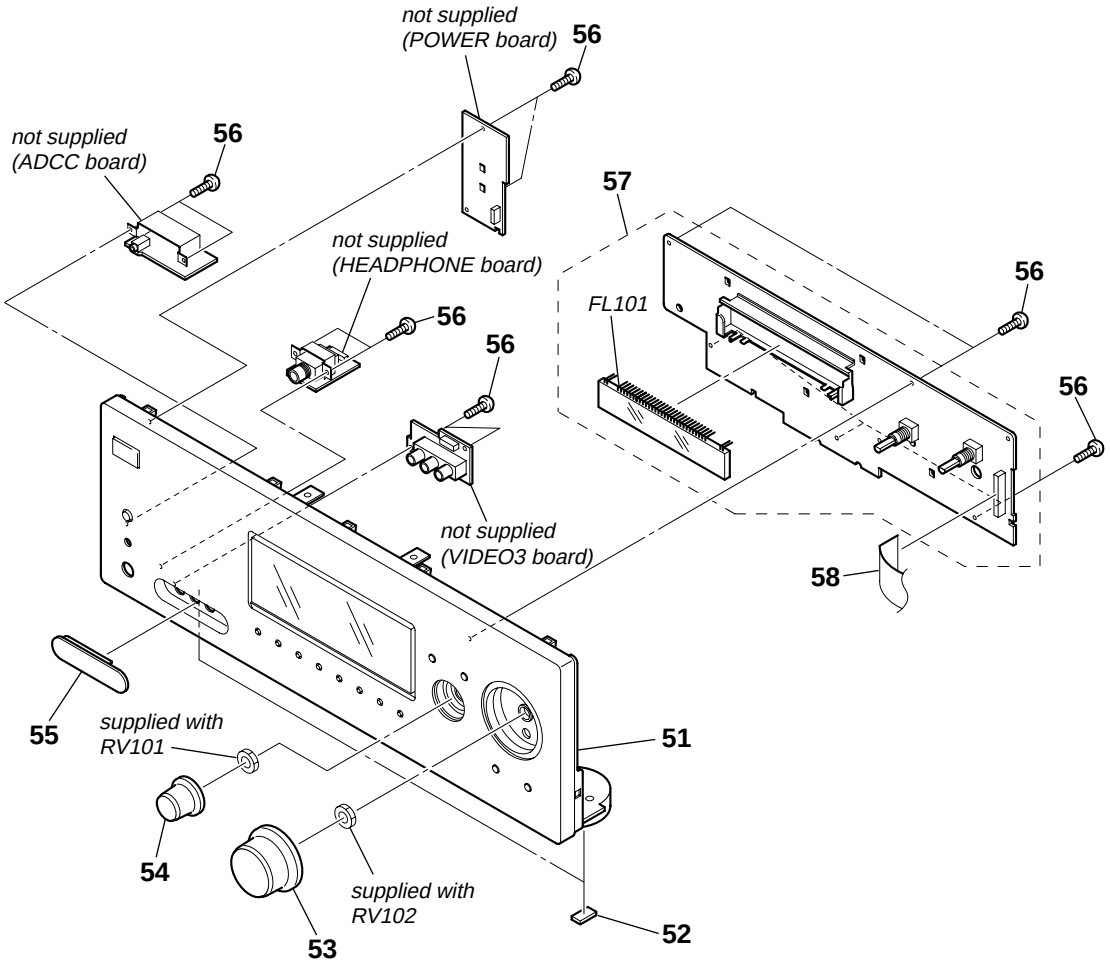
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

5-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	2-661-145-11	CASE	
2	3-363-099-02	SCREW (CASE 3 TP2)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

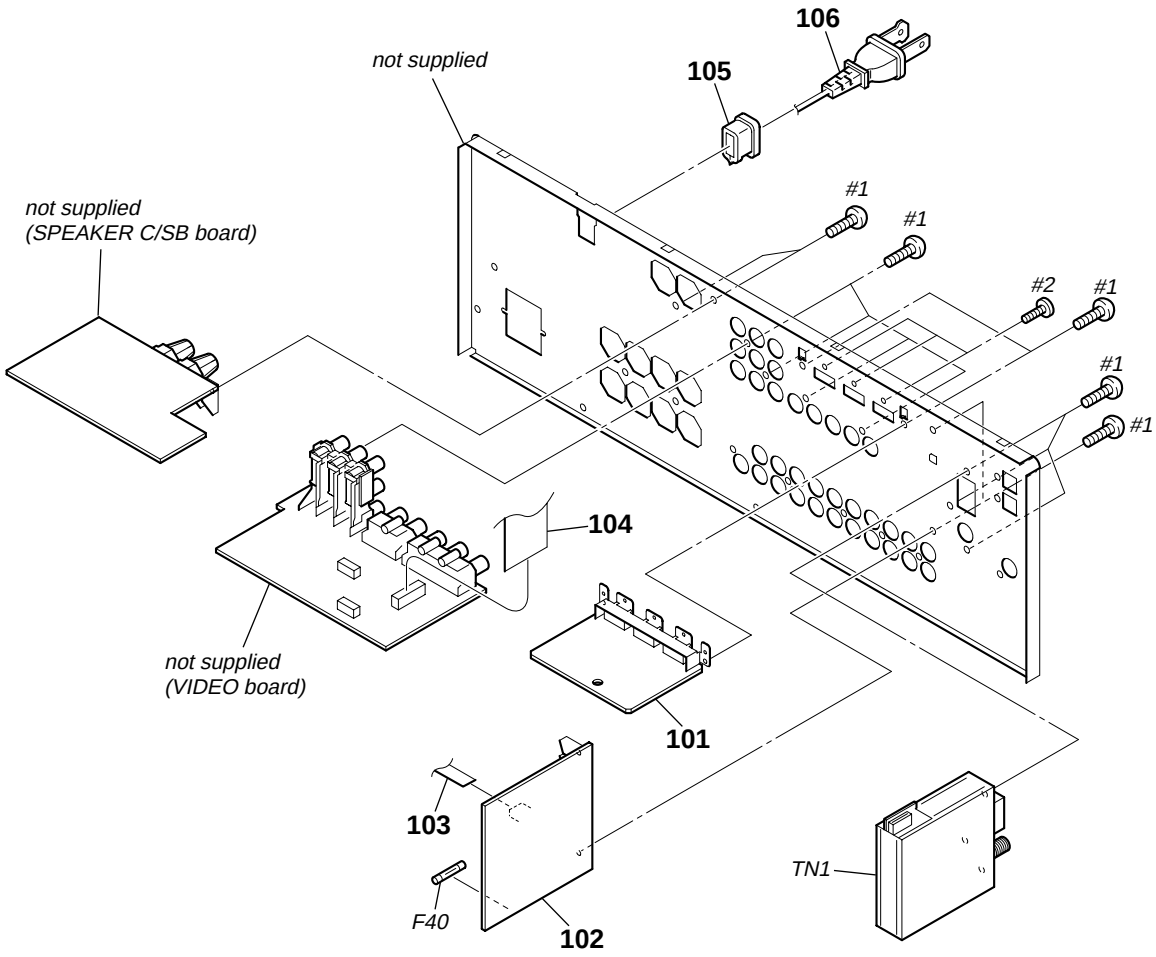
5-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-2103-650-1	FRONT PANEL ASSY	
52	4-977-358-01	CUSHION	
53	2-661-142-01	KNOB (VOLUME)	
54	2-661-141-01	KNOB (MENU)	
55	2-666-844-01	LID	

Ref. No.	Part No.	Description	Remark
56	3-087-053-01	+BVTP 2.6 (3CR)	
57	A-1158-388-A	DISPLAY BOARD, COMPLETE	
58	1-829-023-11	WIRE (FLAT TYPE) (23 CORE)	
FL101	1-519-866-01	VACUUM FLUORESCENT DISPLAY	

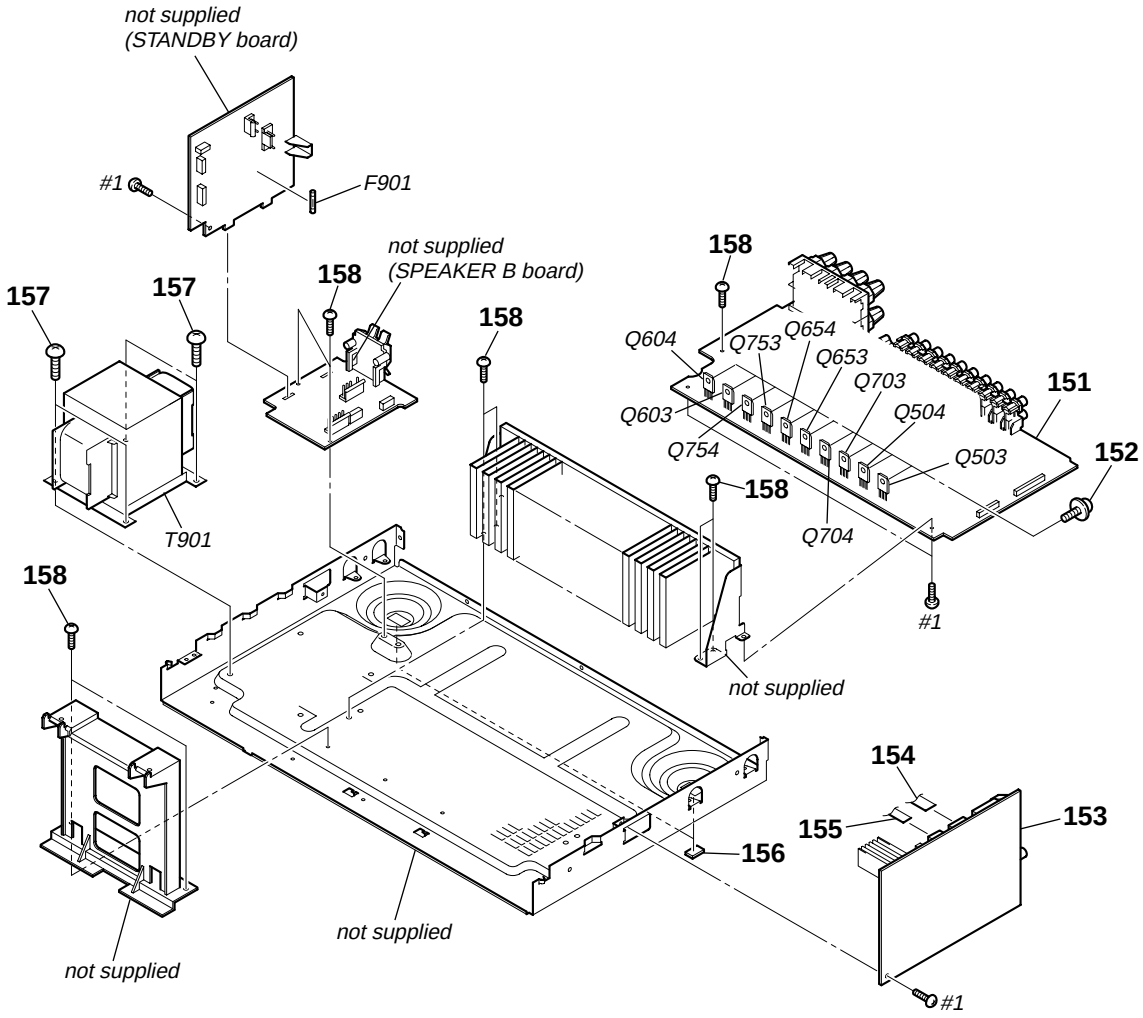
5-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	A-1158-394-A	HDMI SW BOARD, COMPLETE	
102	A-1157-747-A	XM BOARD, COMPLETE	
103	1-828-937-11	WIRE (FLAT TYPE) (5 CORE)	
104	1-828-993-11	WIRE (FLAT TYPE) (17 CORE)	
* 105	3-703-244-00	BUSHING (2104), CORD	

Ref. No.	Part No.	Description	Remark
⚠106	1-783-820-11	CORD, POWER	
⚠F40	1-533-689-12	FUSE, GLASS CYLINDRICAL (DIA. 5) (1A/125V)	
TN1	1-693-675-11	TUNER PACK (ANTENNA)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-682-547-04	SCREW +B 3X6	

5-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
151	A-1161-218-A	MAIN BOARD, COMPLETE	
152	3-905-609-01	SCREW (TRANSISTOR)	
153	A-1158-876-A	DIGITAL BOARD, COMPLETE	
154	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	
155	1-828-956-11	WIRE (FLAT TYPE) (9 CORE)	
156	4-977-358-01	CUSHION	
157	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
158	3-077-331-21	+BV 3 (3-CR)	
⚠F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125V)	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠T901	1-443-524-11	TRANSFORMER, POWER (MAIN)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 6
ELECTRICAL PARTS LIST

ADCC DIGITAL

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
		ADCC BOARD			
		**********			
		< CAPACITOR >			
C2001	1-128-809-11	CERAMIC	100PF	5%	50V
C2002	1-126-160-11	ELECT	1uF	20%	50V
C2003	1-127-882-31	CERAMIC	0.033uF	10%	50V
C2005	1-128-803-11	CERAMIC	33PF	5%	50V
C2006	1-126-160-11	ELECT	1uF	20%	50V
C2008	1-128-806-11	CERAMIC	56PF	5%	50V
C2010	1-127-882-31	CERAMIC	0.033uF	10%	50V
C2011	1-127-880-11	CERAMIC	0.022uF	10%	50V
C2012	1-127-880-11	CERAMIC	0.022uF	10%	50V
C2013	1-126-160-11	ELECT	1uF	20%	50V
C2014	1-124-465-00	ELECT	0.47uF	20%	50V
C2018	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP2000	1-784-921-11	PIN, CONNECTOR 4P			
		< DIODE >			
D2013	8-719-991-33	DIODE 1SS133T-77			
D2014	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC2000	8-759-167-88	IC NJM4565D			
		< JACK >			
J2000	1-820-056-11	JACK (SMALL TYPE) (AUTO CAL MIC)			
		< RESISTOR >			
R2000	1-247-831-11	CARBON	1K	5%	1/4W
R2001	1-249-429-11	CARBON	10K	5%	1/4W
R2003	1-249-429-11	CARBON	10K	5%	1/4W
R2005	1-247-903-00	CARBON	1M	5%	1/4W
R2006	1-247-831-11	CARBON	1K	5%	1/4W
R2007	1-249-429-11	CARBON	10K	5%	1/4W
R2008	1-247-897-11	CARBON	560K	5%	1/4W
R2010	1-249-429-11	CARBON	10K	5%	1/4W
R2015	1-249-435-11	CARBON	33K	5%	1/4W
R2016	1-249-431-11	CARBON	15K	5%	1/4W
R2017	1-249-421-11	CARBON	2.2K	5%	1/4W
R2018	1-249-418-11	CARBON	1.2K	5%	1/4W
R2019	1-249-421-11	CARBON	2.2K	5%	1/4W
**********					
	A-1158-876-A	DIGITAL BOARD, COMPLETE			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-126-925-11	ELECT	470uF	20%	10V
C1002	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1021	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1022	1-126-925-11	ELECT	470uF	20%	10V
C1031	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1032	1-126-925-11	ELECT	470uF	20%	10V
C1100	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-126-947-11	ELECT	47uF	20%	35V
C1104	1-216-864-11	SHORT CHIP	0		
C1105	1-216-864-11	SHORT CHIP	0		
C1107	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1108	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1120	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1124	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1130	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1138	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1142	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1145	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1146	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V

DIGITAL

Ref. No.	Part No.	Description			Remark
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1251	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1252	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1253	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1299	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	35V
C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-104-662-11	ELECT	22uF	20%	25V
C1357	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V
C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1360	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1362	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1401	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	35V
C1403	1-126-964-11	ELECT	10uF	20%	50V
C1404	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1405	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1406	1-126-963-11	ELECT	4.7uF	20%	50V
C1407	1-126-963-11	ELECT	4.7uF	20%	50V
C1408	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C1409	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1411	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1413	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1418	1-126-964-11	ELECT	10uF	20%	50V
C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1423	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1428	1-126-964-11	ELECT	10uF	20%	50V
C1432	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1433	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1438	1-126-964-11	ELECT	10uF	20%	50V
C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1448	1-126-964-11	ELECT	10uF	20%	50V
C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1451	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1453	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1457	1-126-964-11	ELECT	10uF	20%	50V
C1458	1-126-964-11	ELECT	10uF	20%	50V
C1460	1-126-964-11	ELECT	10uF	20%	50V
C1462	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1463	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1468	1-126-964-11	ELECT	10uF	20%	50V
C1472	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1473	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1478	1-126-964-11	ELECT	10uF	20%	50V
C1481	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1483	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1491	1-126-964-11	ELECT	10uF	20%	50V
C1494	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1501	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1502	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1503	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1504	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1505	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1506	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1507	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1508	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1509	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1510	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1511	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1513	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1514	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1515	1-126-925-11	ELECT	470uF	20%	10V
C1516	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1517	1-126-925-11	ELECT	470uF	20%	10V
C1518	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1519	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1520	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1525	1-126-925-11	ELECT	470uF	20%	10V
C1540	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1541	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1543	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1544	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1545	1-216-833-11	METAL CHIP	10K	5%	1/10W
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1557	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1601	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1602	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1604	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1605	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1620	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1905	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1906	1-126-925-11	ELECT	470uF	20%	10V
C1908	1-126-925-11	ELECT	470uF	20%	10V
C1913	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1914	1-126-947-11	ELECT	47uF	20%	35V
C2216	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2217	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2218	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CNP503	1-784-922-11	PIN, CONNECTOR 5P	
CNP504	1-784-923-11	PIN, CONNECTOR 7P	
CNP505	1-784-925-11	PIN, CONNECTOR 10P	
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P	
CNS502	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P	
CNS503	1-568-828-11	CONNECTOR, FFC 9P	
CNS504	1-568-828-11	CONNECTOR, FFC 9P	
CNS505	1-784-784-11	CONNECTOR, FFC 23P	
CNS508	1-568-830-11	CONNECTOR, FFC 11P	
CNS509	1-784-778-11	CONNECTOR, FFC 17P	
		< DIODE >	
D1001	8-719-053-18	DIODE 1SR154-400TE-25	
D1003	8-719-049-09	DIODE 1SS367-T3SONY	
D1004	8-719-049-09	DIODE 1SS367-T3SONY	
D1107	8-719-988-61	DIODE 1SS355TE-17	
D1108	8-719-988-61	DIODE 1SS355TE-17	
D1110	8-719-988-61	DIODE 1SS355TE-17	
D1111	8-719-988-61	DIODE 1SS355TE-17	
D1301	8-719-988-61	DIODE 1SS355TE-17	
D1302	8-719-988-61	DIODE 1SS355TE-17	
D1501	8-719-049-09	DIODE 1SS367-T3SONY	
D1502	8-719-049-09	DIODE 1SS367-T3SONY	
D1503	8-719-049-09	DIODE 1SS367-T3SONY	
D1504	8-719-049-09	DIODE 1SS367-T3SONY	
		< FERRITE BEAD >	
FB1101	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1302	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1305	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1306	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1308	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1405	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1452	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1453	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1501	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1502	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB1503	1-469-710-21	FERRITE, EMI (SMD) (2012)	
FB2034	1-469-710-21	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC1001	8-759-231-53	IC TA7805S	
IC1031	6-705-464-01	IC BA50BC0T	
IC1101	6-806-144-01	IC MB90488BPF-G-175E1	
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC1131	6-705-866-01	IC BR24L16FJ-WE2	
IC1301	8-759-825-15	IC LC89056W-E	
IC1303	8-759-242-70	IC TC7WU04F	
IC1351	6-600-466-01	IC TORX147L (DIGITAL VIDEO 2 IN (OPTICAL))	
IC1354	6-600-466-01	IC TORX147L (DIGITAL VIDEO 1 IN (OPTICAL))	
IC1401	8-759-560-56	IC PCM1800E/2K	
IC1403	8-759-710-97	IC NJM4565M-D	
IC1404	8-759-710-97	IC NJM4565M-D	
IC1405	8-759-710-97	IC NJM4565M-D	
IC1406	8-759-710-97	IC NJM4565M-D	

Ref. No.	Part No.	Description			Remark
IC1452	6-708-785-01	IC PCM1609APT			
IC1501	6-705-900-01	IC CXD9718BQ			
IC1502	6-709-278-01	IC IS61WV6416BLL-12TLI			
IC1503	8-759-546-74	IC TC7WH157FU(TE12R)			
IC1601	8-759-268-29	IC SN74HC595ANS			
IC1602	8-759-268-29	IC SN74HC595ANS			
IC1901	6-701-887-02	IC SI-3004KWF			
IC1902	6-703-550-01	IC TA7809LS			
IC1904	6-705-463-01	IC BA33BC0T			
		< JACK >			
J1301	1-794-972-11	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))			
		< JUMPER RESISTOR >			
JR1005	1-216-864-11	SHORT CHIP	0		
JR1008	1-216-864-11	SHORT CHIP	0		
JR1015	1-211-950-11	SHORT CHIP	0		
JR1016	1-211-950-11	SHORT CHIP	0		
JR1019	1-100-566-11	CERAMIC CHIP	0.1uF	10% 25V	
JR1020	1-216-864-11	SHORT CHIP	0		
JR1104	1-216-864-11	SHORT CHIP	0		
JR1202	1-216-864-11	SHORT CHIP	0		
JR1207	1-211-950-11	SHORT CHIP	0		
JR1302	1-216-864-11	SHORT CHIP	0		
JR1303	1-216-864-11	SHORT CHIP	0		
JR1511	1-469-710-21	FERRITE, EMI (SMD) (2012)			
		< RESISTOR >			
R1010	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1011	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1012	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1013	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1014	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1015	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1016	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1017	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1035	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R1039	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R1041	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1042	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1044	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1049	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R1061	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1062	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1063	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1065	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1066	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1067	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1068	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1072	1-216-827-11	METAL CHIP	3.3K	5% 1/10W	
R1073	1-216-827-11	METAL CHIP	3.3K	5% 1/10W	
R1076	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1077	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1078	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1081	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1082	1-216-809-11	METAL CHIP	100	5% 1/10W	
R1083	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R1084	1-216-809-11	METAL CHIP	100	5% 1/10W	

DIGITAL

Ref. No.	Part No.	Description			Remark
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1097	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1103	1-216-864-11	SHORT CHIP	0		
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1109	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
R1113	1-216-809-11	METAL CHIP	100	5%	1/10W
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1115	1-216-809-11	METAL CHIP	100	5%	1/10W
R1116	1-216-809-11	METAL CHIP	100	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1119	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
R1125	1-216-809-11	METAL CHIP	100	5%	1/10W
R1126	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W
R1130	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W
R1136	1-216-809-11	METAL CHIP	100	5%	1/10W
R1137	1-216-809-11	METAL CHIP	100	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W
R1142	1-216-809-11	METAL CHIP	100	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W
R1149	1-216-809-11	METAL CHIP	100	5%	1/10W
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1155	1-216-809-11	METAL CHIP	100	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0		
R1157	1-216-864-11	SHORT CHIP	0		
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1162	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1164	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1171	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1172	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1194	1-216-864-11	SHORT CHIP	0		
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1251	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1252	1-216-840-11	METAL CHIP	39K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1315	1-216-809-11	METAL CHIP	100	5%	1/10W
R1316	1-216-809-11	METAL CHIP	100	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1319	1-216-864-11	SHORT CHIP	0		
R1321	1-216-864-11	SHORT CHIP	0		
R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1356	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1357	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1358	1-216-854-11	METAL CHIP	560K	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1362	1-216-809-11	METAL CHIP	100	5%	1/10W
R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1403	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1414	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1420	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1421	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1425	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1434	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1435	1-216-864-11	SHORT CHIP	0		
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1444	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1445	1-216-864-11	SHORT CHIP	0		
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1454	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1455	1-216-864-11	SHORT CHIP	0		
R1460	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1461	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1463	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1464	1-216-864-11	SHORT CHIP	0		
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1470	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1471	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1472	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1473	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1483	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1490	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1491	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1492	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1493	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1494	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1495	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W
R1510	1-216-809-11	METAL CHIP	100	5%	1/10W
R1511	1-216-809-11	METAL CHIP	100	5%	1/10W
R1512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1524	1-216-864-11	SHORT CHIP	0		
R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W
R1557	1-216-813-11	METAL CHIP	220	5%	1/10W
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1635	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1636	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1801	1-216-809-11	METAL CHIP	100	5%	1/10W
R1802	1-216-809-11	METAL CHIP	100	5%	1/10W
R1803	1-216-809-11	METAL CHIP	100	5%	1/10W
R1804	1-216-809-11	METAL CHIP	100	5%	1/10W
R1805	1-216-809-11	METAL CHIP	100	5%	1/10W
R1806	1-216-809-11	METAL CHIP	100	5%	1/10W
R1807	1-216-809-11	METAL CHIP	100	5%	1/10W
		< NETWORK RESISTOR >			
RB1500	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1501	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1502	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1503	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1504	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1506	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1507	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
RB1508	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)			
		< VIBRATOR >			
X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)			
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)			
X1502	1-813-276-21	QUARTZ, CRYSTAL (13.9MHz)			
**********					
	A-1158-388-A	DISPLAY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C100	1-127-888-11	CERAMIC	0.1uF	10%	50V
C101	1-127-888-11	CERAMIC	0.1uF	10%	50V
C104	1-113-342-11	CERAMIC	0.1uF		50V
C105	1-126-795-11	ELECT	10uF	20%	50V
C106	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C107	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C108	1-127-888-11	CERAMIC	0.1uF	10%	50V
C109	1-127-888-11	CERAMIC	0.1uF	10%	50V
C110	1-162-286-31	CERAMIC	220PF	10%	50V
C111	1-162-286-31	CERAMIC	220PF	10%	50V
C112	1-162-286-31	CERAMIC	220PF	10%	50V
C114	1-135-798-11	CERAMIC	0.22uF		50V
C115	1-126-795-11	ELECT	10uF	20%	50V
C132	1-162-286-31	CERAMIC	220PF	10%	50V
C133	1-162-286-31	CERAMIC	220PF	10%	50V
C134	1-162-286-31	CERAMIC	220PF	10%	50V
C135	1-162-286-31	CERAMIC	220PF	10%	50V
C136	1-162-286-31	CERAMIC	220PF	10%	50V
C137	1-162-286-31	CERAMIC	220PF	10%	50V
C138	1-162-286-31	CERAMIC	220PF	10%	50V
C139	1-162-286-31	CERAMIC	220PF	10%	50V
C140	1-162-286-31	CERAMIC	220PF	10%	50V
C141	1-162-286-31	CERAMIC	220PF	10%	50V
C142	1-162-286-31	CERAMIC	220PF	10%	50V
C143	1-162-286-31	CERAMIC	220PF	10%	50V
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
C145	1-127-888-11	CERAMIC	0.1uF	10%	50V
C146	1-126-795-11	ELECT	10uF	20%	50V
C147	1-162-286-31	CERAMIC	220PF	10%	50V
C148	1-162-286-31	CERAMIC	220PF	10%	50V

DISPLAY **HDMI SW**

Ref. No.	Part No.	Description			Remark
C149	1-162-286-31	CERAMIC	220PF	10%	50V
C150	1-127-888-11	CERAMIC	0.1uF	10%	50V
C151	1-127-888-11	CERAMIC	0.1uF	10%	50V
C152	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNS100	1-784-784-11	CONNECTOR, FFC 23P			
		< DIODE >			
D105	6-500-647-01	LED SEL5E20C-STP15 (MULTI CHANNEL DECODING)			
		< VACUUM FLUORESCENT DISPLAY >			
FL101	1-519-866-01	VACUUM FLUORESCENT DISPLAY			
		< IC >			
IC100	8-759-643-83	IC uPD16315GB-3BS			
IC101	8-759-036-90	IC MC74ACT08N			
IC102	6-600-174-01	IC RPM7240-H4 (IR)			
		< TRANSISTOR >			
Q110	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R101	1-249-409-11	CARBON	220	5%	1/4W
R102	1-249-411-11	CARBON	330	5%	1/4W
R103	1-249-413-11	CARBON	470	5%	1/4W
R104	1-249-415-11	CARBON	680	5%	1/4W
R105	1-247-831-11	CARBON	1K	5%	1/4W
R106	1-249-419-11	CARBON	1.5K	5%	1/4W
R107	1-249-421-11	CARBON	2.2K	5%	1/4W
R108	1-249-409-11	CARBON	220	5%	1/4W
R109	1-249-411-11	CARBON	330	5%	1/4W
R110	1-249-413-11	CARBON	470	5%	1/4W
R111	1-249-415-11	CARBON	680	5%	1/4W
R115	1-247-807-31	CARBON	100	5%	1/4W
R116	1-247-807-31	CARBON	100	5%	1/4W
R117	1-247-807-31	CARBON	100	5%	1/4W
R118	1-249-440-11	CARBON	82K	5%	1/4W
R119	1-247-807-31	CARBON	100	5%	1/4W
R120	1-249-393-11	CARBON	10	5%	1/4W F
R121	1-249-393-11	CARBON	10	5%	1/4W F
R122	1-247-804-11	CARBON	75	5%	1/4W
R123	1-249-429-11	CARBON	10K	5%	1/4W
R131	1-249-421-11	CARBON	2.2K	5%	1/4W
R198	1-249-381-11	CARBON	1	5%	1/4W F
R199	1-249-381-11	CARBON	1	5%	1/4W F
		< ROTARY ENCODER >			
RV101	1-418-817-11	ENCODER, ROTARY (INPUT SELECTOR)			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
		< SWITCH >			
S101	1-771-410-21	SWITCH, TACTILE (MUTING)			
S102	1-771-410-21	SWITCH, TACTILE (MULTI CH IN)			
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S105	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S106	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S107	1-771-410-21	SWITCH, TACTILE (2CH)			
S108	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
S109	1-771-410-21	SWITCH, TACTILE (TUNING –)			
S110	1-771-410-21	SWITCH, TACTILE (TUNING MODE)			
S111	1-771-410-21	SWITCH, TACTILE (TUNING +)			
S124	1-771-410-21	SWITCH, TACTILE (MUSIC)			
**********					
	A-1158-394-A	HDMI SW BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5002	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5008	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5009	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5010	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5012	1-117-681-11	ELECT CHIP	100uF	20%	16V
C5013	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C5014	1-126-246-11	ELECT CHIP	220uF	20%	4V
C5015	1-128-994-21	ELECT CHIP	47uF	20%	10V
C5016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5017	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C5018	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C5019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5021	1-117-681-11	ELECT CHIP	100uF	20%	16V
C5022	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5024	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C5027	1-128-994-21	ELECT CHIP	47uF	20%	10V
		< CONNECTOR >			
CN5001	1-818-086-41	CONNECTOR, HDMI 19P (HDMI DVD IN (ASSIGNABLE))			
CN5002	1-818-086-41	CONNECTOR, HDMI 19P (HDMI VIDEO 2 IN (ASSIGNABLE))			
CN5003	1-818-086-41	CONNECTOR, HDMI 19P (HDMI MONITOR OUT)			
* CN5004	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
		< IC >			
IC5001	6-709-221-01	IC TMDS341PFCR			
IC5002	6-705-337-01	IC TK11150CSCL-G			
IC5003	6-705-468-01	IC BA33BC0FP-E2			
IC5004	6-704-351-01	IC SN74LVC2G08DCUR			
IC5005	6-707-207-01	IC SN74LVC1G3157DCKR			
IC5006	6-706-740-01	IC BA00BC0WFP-E2			
		< FERRITE BEAD >			
L5013	1-400-862-11	BEAD, FERRITE			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R5001	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R5002	1-218-844-11	METAL CHIP	750	0.5%	1/10W
R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5004	1-216-864-11	SHORT CHIP	0		
R5005	1-216-864-11	SHORT CHIP	0		
R5006	1-216-864-11	SHORT CHIP	0		
R5007	1-216-864-11	SHORT CHIP	0		
R5008	1-216-864-11	SHORT CHIP	0		
R5009	1-216-864-11	SHORT CHIP	0		
R5010	1-216-864-11	SHORT CHIP	0		
R5011	1-216-864-11	SHORT CHIP	0		
R5014	1-216-864-11	SHORT CHIP	0		
R5015	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5016	1-216-864-11	SHORT CHIP	0		
R5017	1-216-864-11	SHORT CHIP	0		
R5018	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5019	1-216-864-11	SHORT CHIP	0		
R5020	1-216-864-11	SHORT CHIP	0		
R5022	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5024	1-216-864-11	SHORT CHIP	0		
R5025	1-216-864-11	SHORT CHIP	0		
R5026	1-216-809-11	METAL CHIP	100	5%	1/10W
R5027	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5028	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5029	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5030	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5042	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5043	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5047	1-216-864-11	SHORT CHIP	0		
R5048	1-216-864-11	SHORT CHIP	0		
R5049	1-216-864-11	SHORT CHIP	0		
R5050	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5051	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R5052	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5053	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5055	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5056	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5060	1-216-864-11	SHORT CHIP	0		
R5061	1-216-864-11	SHORT CHIP	0		
R5068	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5069	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5072	1-216-809-11	METAL CHIP	100	5%	1/10W
R5073	1-216-864-11	SHORT CHIP	0		
R5074	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
**********					
		HEADPHONE BOARD			
		**********			
		< CAPACITOR >			
C790	1-127-888-11	CERAMIC	0.1uF	10%	50V
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP791	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J791	1-815-314-21	JACK (PHONES)			
		< LEAD WIRE >			
* TP701	1-690-880-31	LEAD (WITH CONNECTOR)			
**********					
	A-1161-218-A	MAIN BOARD, COMPLETE			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C400	1-127-888-11	CERAMIC	0.1uF	10%	50V
C403	1-127-888-11	CERAMIC	0.1uF	10%	50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V
C409	1-126-963-11	ELECT	4.7uF	20%	50V
C444	1-127-868-11	CERAMIC	0.0022uF	10%	50V
C445	1-127-888-11	CERAMIC	0.1uF	10%	50V
C453	1-162-286-31	CERAMIC	220PF	10%	50V
C458	1-126-963-11	ELECT	4.7uF	20%	50V
C459	1-126-963-11	ELECT	4.7uF	20%	50V
C463	1-162-286-31	CERAMIC	220PF	10%	50V
C464	1-127-888-11	CERAMIC	0.1uF	10%	50V
C468	1-162-282-31	CERAMIC	100PF	10%	50V
C469	1-162-282-31	CERAMIC	100PF	10%	50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C472	1-126-963-11	ELECT	4.7uF	20%	50V
C481	1-126-964-11	ELECT	10uF	20%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V
C485	1-126-964-11	ELECT	10uF	20%	50V
C488	1-127-888-11	CERAMIC	0.1uF	10%	50V
C492	1-126-964-11	ELECT	10uF	20%	50V
C493	1-126-964-11	ELECT	10uF	20%	50V
C495	1-126-964-11	ELECT	10uF	20%	50V
C499	1-162-286-31	CERAMIC	220PF	10%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C503	1-104-658-11	ELECT	100uF	20%	10V
C504	1-107-585-11	CERAMIC	5PF	0.25PF	500V
C505	1-102-233-00	CERAMIC	33PF	10%	500V
C506	1-162-282-31	CERAMIC	100PF	10%	50V
C507	1-162-282-31	CERAMIC	100PF	10%	50V
C510	1-126-947-11	ELECT	47uF	20%	35V
C511	1-136-157-00	FILM	0.022uF	5%	50V
C516	1-162-815-11	CERAMIC	47PF	5%	500V
C517	1-162-815-11	CERAMIC	47PF	5%	500V
C519	1-162-286-31	CERAMIC	220PF	10%	50V
C529	1-127-876-11	CERAMIC	0.01uF	10%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	1-127-876-11	CERAMIC	0.01uF	10%	50V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C603	1-104-658-11	ELECT	100uF	20%	10V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C606	1-162-282-31	CERAMIC	100PF	10%	50V
C607	1-162-282-31	CERAMIC	100PF	10%	50V
C610	1-126-947-11	ELECT	47uF	20%	35V
C611	1-136-157-00	FILM	0.022uF	5%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C619	1-162-286-31	CERAMIC	220PF	10%	50V
C620	1-162-815-11	CERAMIC	47PF	5%	500V
C621	1-162-815-11	CERAMIC	47PF	5%	500V
C640	1-126-964-11	ELECT	10uF	20%	50V
C642	1-127-876-11	CERAMIC	0.01uF	10%	50V
C651	1-126-963-11	ELECT	4.7uF	20%	50V
C653	1-165-722-11	ELECT	100uF	20%	10V
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C656	1-162-282-31	CERAMIC	100PF	10%	50V
C657	1-162-282-31	CERAMIC	100PF	10%	50V
C660	1-126-947-11	ELECT	47uF	20%	35V
C661	1-136-157-00	FILM	0.022uF	5%	50V
C666	1-162-815-11	CERAMIC	47PF	5%	500V
C669	1-162-815-11	CERAMIC	47PF	5%	500V
C670	1-162-286-31	CERAMIC	220PF	10%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V
C681	1-127-876-11	CERAMIC	0.01uF	10%	50V
C691	1-127-888-11	CERAMIC	0.1uF	10%	50V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C702	1-126-964-11	ELECT	10uF	20%	50V
C703	1-165-722-11	ELECT	100uF	20%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-162-282-31	CERAMIC	100PF	10%	50V
C707	1-162-282-31	CERAMIC	100PF	10%	50V
C710	1-126-947-11	ELECT	47uF	20%	35V
C711	1-136-157-00	FILM	0.022uF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V
C717	1-162-815-11	CERAMIC	47PF	5%	500V
C720	1-162-286-31	CERAMIC	220PF	10%	50V
C721	1-126-923-11	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C729	1-127-876-11	CERAMIC	0.01uF	10%	50V
C732	1-128-582-11	ELECT	10uF	20%	100V
C733	1-128-582-11	ELECT	10uF	20%	100V
C740	1-126-964-11	ELECT	10uF	20%	50V
C741	1-128-579-11	ELECT	2.2uF	20%	100V
C742	1-127-876-11	CERAMIC	0.01uF	10%	50V
C743	1-128-579-11	ELECT	2.2uF	20%	100V
C744	1-128-579-11	ELECT	2.2uF	20%	100V
C749	1-127-876-11	CERAMIC	0.01uF	10%	50V
C750	1-126-964-11	ELECT	10uF	20%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C752	1-127-876-11	CERAMIC	0.01uF	10%	50V
C753	1-165-722-11	ELECT	100uF	20%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-162-282-31	CERAMIC	100PF	10%	50V
C757	1-162-282-31	CERAMIC	100PF	10%	50V
C760	1-126-947-11	ELECT	47uF	20%	35V
C761	1-136-157-00	FILM	0.022uF	5%	50V
C762	1-126-964-11	ELECT	10uF	20%	50V
C766	1-162-815-11	CERAMIC	47PF	5%	500V
C767	1-162-815-11	CERAMIC	47PF	5%	500V
C770	1-162-286-31	CERAMIC	220PF	10%	50V
C791	1-126-923-11	ELECT	220uF	20%	10V
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-165-960-11	ELECT(BLOCK)	6800uF	20%	71V
C804	1-165-960-11	ELECT(BLOCK)	6800uF	20%	71V
C805	1-135-851-21	MYLAR	0.22uF		100V
C806	1-135-851-21	MYLAR	0.22uF		100V
C807	1-126-947-11	ELECT	47uF	20%	35V
C808	1-126-947-11	ELECT	47uF	20%	35V
C809	1-127-888-11	CERAMIC	0.1uF	10%	50V
C810	1-127-888-11	CERAMIC	0.1uF	10%	50V
C811	1-127-888-11	CERAMIC	0.1uF	10%	50V
C822	1-126-947-11	ELECT	47uF	20%	35V
C830	1-127-888-11	CERAMIC	0.1uF	10%	50V
C831	1-127-888-11	CERAMIC	0.1uF	10%	50V
C832	1-126-936-11	ELECT	3300uF	20%	16V
C842	1-126-947-11	ELECT	47uF	20%	35V

< CONNECTOR >

CN504	1-784-766-11	CONNECTOR, FFC 5P	
CNP500	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	
CNP503	1-779-978-11	PIN, CONNECTOR 3P	
* CNP801	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P	
CNP802	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
CNP805	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	
CNP806	1-779-978-11	PIN, CONNECTOR 3P	
CNP911	1-779-977-11	PIN, CONNECTOR 6P	
CNP912	1-691-766-11	PLUG (MICRO CONNECTOR) 4P	
CNP913	1-784-922-11	PIN, CONNECTOR 5P	

< DIODE >

D505	8-719-991-33	DIODE 1SS133T-77
D529	8-719-991-33	DIODE 1SS133T-77
D540	8-719-991-33	DIODE 1SS133T-77
D560	8-719-991-33	DIODE 1SS133T-77
D605	8-719-991-33	DIODE 1SS133T-77
D610	8-719-991-33	DIODE 1SS133T-77
D640	8-719-991-33	DIODE 1SS133T-77
D665	8-719-991-33	DIODE 1SS133T-77
D680	8-719-991-33	DIODE 1SS133T-77
D690	8-719-934-21	DIODE HZS30-1L
D691	8-719-991-33	DIODE 1SS133T-77
D692	8-719-991-33	DIODE 1SS133T-77
D693	8-719-933-95	DIODE HZS20-1L
D705	8-719-991-33	DIODE 1SS133T-77
D710	8-719-991-33	DIODE 1SS133T-77
D721	8-719-991-33	DIODE 1SS133T-77
D722	8-719-991-33	DIODE 1SS133T-77
D729	8-719-991-33	DIODE 1SS133T-77
D732	8-719-991-33	DIODE 1SS133T-77
D740	8-719-991-33	DIODE 1SS133T-77
D749	8-719-991-33	DIODE 1SS133T-77
D750	8-719-991-33	DIODE 1SS133T-77
D765	8-719-991-33	DIODE 1SS133T-77
D791	8-719-991-33	DIODE 1SS133T-77
D801	8-719-933-95	DIODE HZS20-1L
D802	8-719-072-05	DIODE RBV-602LF-A
D804	8-719-068-28	DIODE HZ6.8BP-TK
D805	6-500-522-11	DIODE 10EDB40-TA2B5

Ref. No.	Part No.	Description	Remark
D806	6-500-522-11	DIODE 10EDB40-TA2B5	
D807	6-500-522-11	DIODE 10EDB40-TA2B5	
D808	6-500-522-11	DIODE 10EDB40-TA2B5	
D841	8-719-981-96	DIODE MTZJ-3.0	
D896	8-719-043-76	DIODE AK04V0	
		< IC >	
IC401	6-707-362-01	IC BD3451KS	
IC402	8-759-167-88	IC NJM4565D	
IC501	6-700-943-01	IC uPC2581V-S	
IC601	6-700-943-01	IC uPC2581V-S	
IC691	8-759-167-88	IC NJM4565D	
IC701	6-700-943-01	IC uPC2581V-S	
IC801	8-759-071-48	IC TA7807S	
IC802	8-759-071-47	IC TA79007S	
		< JACK >	
J309	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)	
J401	1-793-775-12	JACK, PIN 6P (MULTI CH IN CENTER,SUB WOOFER,SURROUND,FRONT)	
J402	1-770-614-11	JACK, PIN 4P (MD/TAPE OUT,SA-CD/CD IN)	
J403	1-770-614-11	JACK, PIN 4P (DVD AUDIO IN,MD/TAPE IN)	
J404	1-774-411-11	JACK, PIN 6P (VIDEO 1 AUDIO IN/OUT,VIDEO 2 AUDIO IN)	
		< COIL >	
L601	1-420-872-52	COIL, AIR-CORE	
L651	1-420-872-52	COIL, AIR-CORE	
L701	1-420-872-52	COIL, AIR-CORE	
L751	1-420-872-52	COIL, AIR-CORE	
		< TRANSISTOR >	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q505	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q506	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q540	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q560	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q605	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q606	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q610	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q640	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q655	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q656	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q680	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q691	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q692	8-729-029-40	TRANSISTOR DTA124ESA	
Q693	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q694	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q695	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q705	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q706	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q710	8-729-119-78	TRANSISTOR 2SC2785-HFE	

Ref. No.	Part No.	Description	Remark
Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q723	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q725	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q740	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q750	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q755	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q756	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q790	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q793	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q795	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q801	8-729-140-97	TRANSISTOR 2SB734-34	
		< RESISTOR >	
R402	1-247-831-11	CARBON 1K 5% 1/4W	
R404	1-247-831-11	CARBON 1K 5% 1/4W	
R405	1-247-831-11	CARBON 1K 5% 1/4W	
R406	1-247-831-11	CARBON 1K 5% 1/4W	
R407	1-247-831-11	CARBON 1K 5% 1/4W	
R408	1-247-831-11	CARBON 1K 5% 1/4W	
R409	1-247-831-11	CARBON 1K 5% 1/4W	
R428	1-247-831-11	CARBON 1K 5% 1/4W	
R429	1-247-831-11	CARBON 1K 5% 1/4W	
R431	1-247-831-11	CARBON 1K 5% 1/4W	
R432	1-247-831-11	CARBON 1K 5% 1/4W	
R433	1-247-831-11	CARBON 1K 5% 1/4W	
R434	1-247-831-11	CARBON 1K 5% 1/4W	
R435	1-247-831-11	CARBON 1K 5% 1/4W	
R436	1-247-831-11	CARBON 1K 5% 1/4W	
R452	1-247-831-11	CARBON 1K 5% 1/4W	
R454	1-247-831-11	CARBON 1K 5% 1/4W	
R455	1-247-831-11	CARBON 1K 5% 1/4W	
R456	1-247-831-11	CARBON 1K 5% 1/4W	
R457	1-247-831-11	CARBON 1K 5% 1/4W	
R458	1-247-831-11	CARBON 1K 5% 1/4W	
R459	1-247-831-11	CARBON 1K 5% 1/4W	
R468	1-247-879-11	CARBON 100K 5% 1/4W	
R469	1-247-831-11	CARBON 1K 5% 1/4W	
R470	1-247-871-11	CARBON 47K 5% 1/4W	
R473	1-249-429-11	CARBON 10K 5% 1/4W	
R474	1-249-429-11	CARBON 10K 5% 1/4W	
R475	1-249-429-11	CARBON 10K 5% 1/4W	
R476	1-249-429-11	CARBON 10K 5% 1/4W	
R480	1-247-871-11	CARBON 47K 5% 1/4W	
R499	1-247-871-11	CARBON 47K 5% 1/4W	
R501	1-247-831-11	CARBON 1K 5% 1/4W	
R502	1-249-439-11	CARBON 68K 5% 1/4W	
R503	1-249-421-11	CARBON 2.2K 5% 1/4W	
R505	1-249-439-11	CARBON 68K 5% 1/4W	
R510	1-249-421-11	CARBON 2.2K 5% 1/4W	
R511	1-249-440-11	CARBON 82K 5% 1/4W	
R513	1-249-414-11	CARBON 560 5% 1/4W	
R514	1-249-399-11	CARBON 33 5% 1/4W	F
R515	1-249-399-11	CARBON 33 5% 1/4W	F
R516	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
R517	1-249-393-11	CARBON 10 5% 1/4W	F
R520	1-247-847-11	CARBON 4.7K 5% 1/4W	

MAIN

Ref. No.	Part No.	Description			Remark
R521	1-240-855-81	CARBON	6.2K	5%	1/4W F
R522	1-249-419-11	CARBON	1.5K	5%	1/4W
R524	1-249-431-11	CARBON	15K	5%	1/4W
R525	1-249-439-11	CARBON	68K	5%	1/4W
R529	1-249-429-11	CARBON	10K	5%	1/4W
R532	1-249-429-11	CARBON	10K	5%	1/4W
R533	1-247-871-11	CARBON	47K	5%	1/4W
R539	1-247-879-11	CARBON	100K	5%	1/4W
R540	1-247-863-11	CARBON	22K	5%	1/4W
R546	1-249-431-11	CARBON	15K	5%	1/4W
R555	1-247-847-11	CARBON	4.7K	5%	1/4W
R556	1-247-871-11	CARBON	47K	5%	1/4W
R557	1-249-431-11	CARBON	15K	5%	1/4W
R573	1-247-871-11	CARBON	47K	5%	1/4W
R601	1-247-831-11	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-421-11	CARBON	2.2K	5%	1/4W
R604	1-249-439-11	CARBON	68K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W
R614	1-249-399-11	CARBON	33	5%	1/4W F
R615	1-249-399-11	CARBON	33	5%	1/4W F
R616	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R617	1-249-393-11	CARBON	10	5%	1/4W F
R618	1-249-389-11	CARBON	4.7	5%	1/4W F
R620	1-247-847-11	CARBON	4.7K	5%	1/4W
R621	1-240-855-81	CARBON	6.2K	5%	1/4W F
R622	1-249-419-11	CARBON	1.5K	5%	1/4W
R623	1-247-871-11	CARBON	47K	5%	1/4W
R624	1-249-431-11	CARBON	15K	5%	1/4W
R625	1-249-439-11	CARBON	68K	5%	1/4W
R631	1-249-421-11	CARBON	2.2K	5%	1/4W
R634	1-249-404-00	CARBON	82	5%	1/4W F
R638	1-249-439-11	CARBON	68K	5%	1/4W
R640	1-247-863-11	CARBON	22K	5%	1/4W
R648	1-249-431-11	CARBON	15K	5%	1/4W
R651	1-247-831-11	CARBON	1K	5%	1/4W
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-421-11	CARBON	2.2K	5%	1/4W
R654	1-249-439-11	CARBON	68K	5%	1/4W
R655	1-247-847-11	CARBON	4.7K	5%	1/4W
R656	1-247-871-11	CARBON	47K	5%	1/4W
R657	1-249-431-11	CARBON	15K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W
R664	1-249-399-11	CARBON	33	5%	1/4W F
R665	1-249-399-11	CARBON	33	5%	1/4W F
R666	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R667	1-249-393-11	CARBON	10	5%	1/4W F
R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R669	1-247-847-11	CARBON	4.7K	5%	1/4W
R671	1-240-855-81	CARBON	6.2K	5%	1/4W F
R672	1-249-419-11	CARBON	1.5K	5%	1/4W
R673	1-247-871-11	CARBON	47K	5%	1/4W
R674	1-249-431-11	CARBON	15K	5%	1/4W
R675	1-247-847-11	CARBON	4.7K	5%	1/4W
R676	1-247-871-11	CARBON	47K	5%	1/4W
R677	1-249-431-11	CARBON	15K	5%	1/4W
R680	1-247-863-11	CARBON	22K	5%	1/4W
R681	1-249-431-11	CARBON	15K	5%	1/4W
R689	1-249-429-11	CARBON	10K	5%	1/4W
R690	1-247-887-00	CARBON	220K	5%	1/4W
⚠R691	1-215-888-00	METAL OXIDE	220	5%	2W F
⚠R692	1-215-889-00	METAL OXIDE	330	5%	2W F
R693	1-249-429-11	CARBON	10K	5%	1/4W
R694	1-249-429-11	CARBON	10K	5%	1/4W
R695	1-249-429-11	CARBON	10K	5%	1/4W
R696	1-247-871-11	CARBON	47K	5%	1/4W
R697	1-247-871-11	CARBON	47K	5%	1/4W
R698	1-249-429-11	CARBON	10K	5%	1/4W
R699	1-247-895-00	CARBON	470K	5%	1/4W
R700	1-249-429-11	CARBON	10K	5%	1/4W
R701	1-247-831-11	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-421-11	CARBON	2.2K	5%	1/4W
R704	1-249-439-11	CARBON	68K	5%	1/4W
R705	1-247-895-00	CARBON	470K	5%	1/4W
⚠R706	1-215-888-00	METAL OXIDE	220	5%	2W F
R710	1-249-421-11	CARBON	2.2K	5%	1/4W
R711	1-249-440-11	CARBON	82K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W
R714	1-249-399-11	CARBON	33	5%	1/4W F
R715	1-249-399-11	CARBON	33	5%	1/4W F
R716	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R717	1-249-393-11	CARBON	10	5%	1/4W F
R718	1-249-389-11	CARBON	4.7	5%	1/4W F
R719	1-247-847-11	CARBON	4.7K	5%	1/4W
R721	1-240-855-81	CARBON	6.2K	5%	1/4W F
R722	1-249-419-11	CARBON	1.5K	5%	1/4W
R723	1-247-871-11	CARBON	47K	5%	1/4W
R724	1-249-431-11	CARBON	15K	5%	1/4W
R725	1-249-439-11	CARBON	68K	5%	1/4W
R729	1-249-429-11	CARBON	10K	5%	1/4W
R731	1-249-421-11	CARBON	2.2K	5%	1/4W
R732	1-249-381-11	CARBON	1	5%	1/4W F
R733	1-249-381-11	CARBON	1	5%	1/4W F
R734	1-249-404-00	CARBON	82	5%	1/4W F
R735	1-249-427-11	CARBON	6.8K	5%	1/4W
R736	1-247-831-11	CARBON	1K	5%	1/4W
R737	1-249-436-11	CARBON	39K	5%	1/4W
R739	1-247-879-11	CARBON	100K	5%	1/4W
R740	1-247-863-11	CARBON	22K	5%	1/4W
R741	1-249-431-11	CARBON	15K	5%	1/4W
R743	1-249-431-11	CARBON	15K	5%	1/4W
R744	1-249-431-11	CARBON	15K	5%	1/4W
R745	1-247-847-11	CARBON	4.7K	5%	1/4W
R746	1-247-871-11	CARBON	47K	5%	1/4W
R747	1-249-431-11	CARBON	15K	5%	1/4W
R748	1-249-431-11	CARBON	15K	5%	1/4W
R749	1-249-429-11	CARBON	10K	5%	1/4W
R750	1-247-863-11	CARBON	22K	5%	1/4W
R751	1-247-831-11	CARBON	1K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-421-11	CARBON	2.2K	5%	1/4W

Ref. No.	Part No.	Description			Remark
R754	1-249-439-11	CARBON	68K	5%	1/4W
R755	1-247-847-11	CARBON	4.7K	5%	1/4W
R756	1-247-871-11	CARBON	47K	5%	1/4W
R757	1-249-431-11	CARBON	15K	5%	1/4W
R758	1-249-431-11	CARBON	15K	5%	1/4W
R759	1-247-879-11	CARBON	100K	5%	1/4W
R760	1-249-421-11	CARBON	2.2K	5%	1/4W
R761	1-249-440-11	CARBON	82K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W
R764	1-249-399-11	CARBON	33	5%	1/4W F
R765	1-249-399-11	CARBON	33	5%	1/4W F
R766	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R767	1-249-393-11	CARBON	10	5%	1/4W F
R768	1-249-389-11	CARBON	4.7	5%	1/4W F
R769	1-247-847-11	CARBON	4.7K	5%	1/4W
R771	1-240-855-81	CARBON	6.2K	5%	1/4W F
R772	1-249-419-11	CARBON	1.5K	5%	1/4W
R773	1-247-871-11	CARBON	47K	5%	1/4W
R775	1-249-439-11	CARBON	68K	5%	1/4W
R778	1-249-431-11	CARBON	15K	5%	1/4W
R780	1-249-429-11	CARBON	10K	5%	1/4W
R791	1-249-421-11	CARBON	2.2K	5%	1/4W
⚠R792	1-215-868-00	METAL OXIDE	680	5%	1W F
R793	1-249-404-00	CARBON	82	5%	1/4W F
⚠R794	1-215-868-00	METAL OXIDE	680	5%	1W F
R802	1-249-409-11	CARBON	220	5%	1/4W F
R803	1-249-389-11	CARBON	4.7	5%	1/4W F
R804	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-247-863-11	CARBON	22K	5%	1/4W
R840	1-249-427-11	CARBON	6.8K	5%	1/4W
R843	1-247-863-11	CARBON	22K	5%	1/4W
R844	1-247-863-11	CARBON	22K	5%	1/4W
⚠R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
		< RELAY >			
RY560	1-755-267-11	RELAY			
RY601	1-755-170-11	RELAY (12V)			
RY701	1-755-170-11	RELAY (12V)			
RY791	1-755-170-11	RELAY (12V)			
		< TERMINAL BOARD >			
TM601	1-780-364-11	TERMINAL BOARD (8P) (SPEAKERS SURROUND,FRONT A)			
**********					
		POWER BOARD			
		**********			
		< RESISTOR >			
R114	1-247-831-11	CARBON	1K	5%	1/4W
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE (I/⏻)			
S115	1-771-410-21	SWITCH, TACTILE (SPEAKERS (OFF/A/B/A+B))			
**********					

Ref. No.	Part No.	Description			Remark
		SPEAKER B BOARD			
		**********			
		< CONNECTOR >			
CNP600	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P			
CNP601	1-784-921-11	PIN, CONNECTOR 4P			
* CNP807	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			
		< DIODE >			
D800	8-719-991-33	DIODE 1SS133T-77			
D818	8-719-991-33	DIODE 1SS133T-77			
		< TRANSISTOR >			
Q800	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q809	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R800	1-249-404-00	CARBON	82	5%	1/4W F
R812	1-249-421-11	CARBON	2.2K	5%	1/4W
R824	1-249-421-11	CARBON	2.2K	5%	1/4W
R831	1-249-404-00	CARBON	82	5%	1/4W F
		< RELAY >			
RY600	1-755-170-11	RELAY (12V)			
RY801	1-755-013-11	RELAY			
		< TERMINAL BOARD >			
TM602	1-537-240-11	TERMINAL BOARD (CHECKER PIN) (4P) (SPEAKERS FRONT B)			
**********					
		SPEAKER C/SB BOARD			
		**********			
		< CONNECTOR >			
* CNP503	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
		< DIODE >			
D510	8-719-991-33	DIODE 1SS133T-77			
		< COIL >			
L571	1-420-872-52	COIL, AIR-CORE			
L751	1-420-872-52	COIL, AIR-CORE			
		< TRANSISTOR >			
Q550	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R531	1-249-421-11	CARBON	2.2K	5%	1/4W
R534	1-249-404-00	CARBON	82	5%	1/4W F
R578	1-249-389-11	CARBON	4.7	5%	1/4W F
R751	1-249-389-11	CARBON	4.7	5%	1/4W F
		< RELAY >			
RY501	1-755-170-11	RELAY (12V)			

SPEAKER C/SB **STANDBY** **VIDEO**

Ref. No.	Part No.	Description				Remark
		< TERMINAL BOARD >				
TM502	1-780-217-11	TERMINAL BOARD (2P) (SPEAKERS CENTER)				
**********						
		STANDBY BOARD				
		**********				
	1-533-217-41	HOLDER, FUSE				
		< CAPACITOR >				
C913	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C914	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C915	1-126-943-11	ELECT	2200uF	20%	25V	
C916	1-126-942-61	ELECT	1000uF	20%	25V	
C920	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C921	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C924	1-126-960-11	ELECT	1uF	20%	50V	
C950	1-126-936-11	ELECT	3300uF	20%	16V	
		< CONNECTOR >				
CNP801	1-784-922-11	PIN, CONNECTOR 5P				
CNP804	1-564-506-11	PLUG, CONNECTOR 3P				
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P				
CNP902	1-794-577-21	PIN, CONNECTOR (POWER) 2P				
CNP903	1-779-977-11	PIN, CONNECTOR 6P				
		< DIODE >				
D901	8-719-991-33	DIODE 1SS133T-77				
D910	6-500-522-11	DIODE 10EDB40-TA2B5				
D911	6-500-522-11	DIODE 10EDB40-TA2B5				
D912	6-500-522-11	DIODE 10EDB40-TA2B5				
D913	6-500-522-11	DIODE 10EDB40-TA2B5				
D914	8-719-991-33	DIODE 1SS133T-77				
D915	8-719-991-33	DIODE 1SS133T-77				
D920	6-500-522-11	DIODE 10EDB40-TA2B5				
D921	6-500-522-11	DIODE 10EDB40-TA2B5				
D922	6-500-522-11	DIODE 10EDB40-TA2B5				
D923	6-500-522-11	DIODE 10EDB40-TA2B5				
		< GROUND TERMINAL >				
G901	1-537-738-21	TERMINAL, GROUND				
		< TRANSISTOR >				
Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q921	8-729-119-78	TRANSISTOR 2SC2785-HFE				
		< RESISTOR >				
⚠R810	1-243-634-11	FUSIBLE	0.22	5%	1/2W	F
⚠R811	1-243-634-11	FUSIBLE	0.22	5%	1/2W	F
⚠R901	1-219-237-11	SOLID	3.3M	20%	1/2W	F
R902	1-247-871-11	CARBON	47K	5%	1/4W	
R903	1-249-421-11	CARBON	2.2K	5%	1/4W	
R904	1-249-381-11	CARBON	1	5%	1/4W	F
R921	1-247-871-11	CARBON	47K	5%	1/4W	
R922	1-247-863-11	CARBON	22K	5%	1/4W	
R923	1-249-429-11	CARBON	10K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
		< RELAY >				
⚠RY901	1-755-541-11	RELAY				
		< TRANSFORMER >				
⚠T902	1-443-516-11	TRANSFORMER, POWER (SUB)				
**********						
		VIDEO BOARD				
		**********				
		< CAPACITOR >				
C200	1-128-805-11	CERAMIC	47PF	5%	50V	
C201	1-128-805-11	CERAMIC	47PF	5%	50V	
C206	1-126-964-11	ELECT	10uF	20%	50V	
C207	1-126-964-11	ELECT	10uF	20%	50V	
C208	1-126-964-11	ELECT	10uF	20%	50V	
C209	1-126-964-11	ELECT	10uF	20%	50V	
C210	1-126-964-11	ELECT	10uF	20%	50V	
C213	1-126-934-11	ELECT	220uF	20%	16V	
C214	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C215	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C220	1-126-947-11	ELECT	47uF	20%	35V	
C221	1-126-934-11	ELECT	220uF	20%	16V	
C223	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C224	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C308	1-126-964-11	ELECT	10uF	20%	50V	
C309	1-126-964-11	ELECT	10uF	20%	50V	
C310	1-126-964-11	ELECT	10uF	20%	50V	
C311	1-126-964-11	ELECT	10uF	20%	50V	
C312	1-126-964-11	ELECT	10uF	20%	50V	
C313	1-126-964-11	ELECT	10uF	20%	50V	
C315	1-127-868-11	CERAMIC	0.0022uF	10%	50V	
C316	1-127-868-11	CERAMIC	0.0022uF	10%	50V	
C317	1-126-947-11	ELECT	47uF	20%	35V	
C330	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C331	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C338	1-126-947-11	ELECT	47uF	20%	35V	
		< CONNECTOR >				
CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				
CNP203	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
CNS203	1-784-778-11	CONNECTOR, FFC 17P				
		< DIODE >				
D203	8-719-991-33	DIODE 1SS133T-77				
D204	8-719-991-33	DIODE 1SS133T-77				
		< IC >				
IC203	6-701-890-01	IC NJM2595D				
IC304	6-707-363-01	IC NJM2586AL				
IC804	8-759-245-79	IC TA79005S				
IC807	8-759-231-53	IC TA7805S				
		< JACK >				
J200	1-794-978-11	JACK, PIN 3P (DVD VIDEO IN, VIDEO 2 VIDEO IN,VIDEO 1 VIDEO OUT)				

Ref. No.	Part No.	Description			Remark
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			
J301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO DVD IN (ASSIGNABLE), VIDEO 2 IN (ASSIGNABLE),MONITOR OUT)			
		< RESISTOR >			
R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	1-247-804-11	CARBON	75	5%	1/4W
R219	1-247-804-11	CARBON	75	5%	1/4W
R220	1-247-804-11	CARBON	75	5%	1/4W
R221	1-247-804-11	CARBON	75	5%	1/4W
R301	1-247-804-11	CARBON	75	5%	1/4W
R302	1-247-804-11	CARBON	75	5%	1/4W
R303	1-247-804-11	CARBON	75	5%	1/4W
R304	1-247-804-11	CARBON	75	5%	1/4W
R305	1-247-804-11	CARBON	75	5%	1/4W
R306	1-247-804-11	CARBON	75	5%	1/4W
R307	1-247-804-11	CARBON	75	5%	1/4W
R308	1-247-804-11	CARBON	75	5%	1/4W
R309	1-247-804-11	CARBON	75	5%	1/4W
R310	1-247-831-11	CARBON	1K	5%	1/4W
R311	1-247-831-11	CARBON	1K	5%	1/4W
R312	1-247-831-11	CARBON	1K	5%	1/4W
R313	1-247-863-11	CARBON	22K	5%	1/4W
**********					
		VIDEO3 BOARD			
		**********			
		< CAPACITOR >			
C293	1-127-888-11	CERAMIC	0.1uF	10%	50V
C294	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CN201	1-784-922-11	PIN, CONNECTOR 5P			
		< JACK >			
J298	1-819-187-11	JACK, PIN 3P (VIDEO 3 IN/PORTABLE AV IN VIDEO,AUDIO)			
		< RESISTOR >			
R298	1-247-831-11	CARBON	1K	5%	1/4W
R299	1-247-831-11	CARBON	1K	5%	1/4W
		< LEAD WIRE >			
* W290	1-690-880-31	LEAD (WITH CONNECTOR)			
**********					
	A-1157-747-A	XM BOARD, COMPLETE			
		**********			
	1-533-217-41	HOLDER, FUSE			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C101	1-126-933-11	ELECT	100uF	20%	16V
C102	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C103	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C104	1-112-100-11	ELECT	10uF	20%	50V
C105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C106	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C107	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C109	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C111	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C112	1-216-864-11	SHORT CHIP	0		
C113	1-126-964-11	ELECT	10uF	20%	50V
C114	1-216-864-11	SHORT CHIP	0		
C115	1-216-864-11	SHORT CHIP	0		
C116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C117	1-216-864-11	SHORT CHIP	0		
C118	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C119	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C120	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C122	1-112-100-11	ELECT	10uF	20%	50V
C123	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C124	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C125	1-112-100-11	ELECT	10uF	20%	50V
C126	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C128	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C129	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C131	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C132	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C133	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C134	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C135	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C136	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C137	1-126-964-11	ELECT	10uF	20%	50V
C138	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C139	1-126-964-11	ELECT	10uF	20%	50V
C140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C142	1-126-964-11	ELECT	10uF	20%	50V
C143	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C144	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C145	1-126-964-11	ELECT	10uF	20%	50V
C146	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C147	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C148	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C149	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C150	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C151	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C152	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C153	1-126-933-11	ELECT	100uF	20%	16V
C154	1-128-547-11	ELECT	6800uF	20%	16V
C157	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C158	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C159	1-126-933-11	ELECT	100uF	20%	16V
C160	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C161	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C163	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C164	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

XM

Ref. No.	Part No.	Description			Remark
C165	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C166	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C167	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN101	1-568-828-11	CONNECTOR, FFC 9P			
CN102	1-784-766-11	CONNECTOR, FFC 5P			
CN103	1-779-978-11	PIN, CONNECTOR 3P			
		< DIODE >			
D101	6-500-462-01	DIODE NSAD500F-T1B			
D103	8-719-083-02	DIODE KDS160-RTK			
D104	8-719-043-53	DIODE D2SBA20F03			
		< FERRITE BEAD >			
FB101	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB104	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC101	6-705-468-01	IC BA33BC0FP-E2			
IC102	6-709-251-01	IC F2602E-01-TR			
IC103	8-759-524-50	IC TC74VHC541FT(EL)			
IC104	8-759-710-97	IC NJM4565M-D			
IC105	6-707-111-01	IC PCM1753DBQR			
IC106	6-707-802-01	IC BA00CC0WT(-V5)			
IC107	6-703-547-01	IC TA7805LS			
		< CONNECTOR >			
J101	1-793-642-21	CONNECTOR (USB) (4P), SQUARE (XM)			
		< JUMPER RESISTOR >			
L101	1-216-295-11	SHORT CHIP	0		
L102	1-216-295-11	SHORT CHIP	0		
		< TRANSISTOR >			
Q101	8-729-027-23	TRANSISTOR DTA114EKA-T146			
Q104	8-729-027-43	TRANSISTOR DTC114EKA-T146			
		< RESISTOR >			
R101	1-216-833-11	METAL CHIP	10K	5%	1/10W
R102	1-216-833-11	METAL CHIP	10K	5%	1/10W
R103	1-216-833-11	METAL CHIP	10K	5%	1/10W
R104	1-216-833-11	METAL CHIP	10K	5%	1/10W
R105	1-216-809-11	METAL CHIP	100	5%	1/10W
R106	1-216-809-11	METAL CHIP	100	5%	1/10W
R107	1-216-809-11	METAL CHIP	100	5%	1/10W
R108	1-216-809-11	METAL CHIP	100	5%	1/10W
R109	1-216-841-11	METAL CHIP	47K	5%	1/10W
R111	1-216-821-11	METAL CHIP	1K	5%	1/10W
R112	1-216-833-11	METAL CHIP	10K	5%	1/10W
R115	1-216-833-11	METAL CHIP	10K	5%	1/10W
R116	1-216-833-11	METAL CHIP	10K	5%	1/10W
R117	1-216-809-11	METAL CHIP	100	5%	1/10W
R118	1-216-841-11	METAL CHIP	47K	5%	1/10W
R119	1-216-841-11	METAL CHIP	47K	5%	1/10W
R120	1-216-834-11	METAL CHIP	12K	5%	1/10W
R121	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R122	1-216-841-11	METAL CHIP	47K	5%	1/10W
R123	1-216-819-11	METAL CHIP	680	5%	1/10W
R124	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R125	1-216-813-11	METAL CHIP	220	5%	1/10W
R126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R127	1-216-809-11	METAL CHIP	100	5%	1/10W
R128	1-216-845-11	METAL CHIP	100K	5%	1/10W
R129	1-216-809-11	METAL CHIP	100	5%	1/10W
R130	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-809-11	METAL CHIP	100	5%	1/10W
R132	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R133	1-216-819-11	METAL CHIP	680	5%	1/10W
R134	1-216-809-11	METAL CHIP	100	5%	1/10W
R137	1-216-834-11	METAL CHIP	12K	5%	1/10W
R138	1-216-821-11	METAL CHIP	1K	5%	1/10W
R143	1-216-809-11	METAL CHIP	100	5%	1/10W
R144	1-216-821-11	METAL CHIP	1K	5%	1/10W
R145	1-216-841-11	METAL CHIP	47K	5%	1/10W
R146	1-216-841-11	METAL CHIP	47K	5%	1/10W
R147	1-216-833-11	METAL CHIP	10K	5%	1/10W
R152	1-216-809-11	METAL CHIP	100	5%	1/10W
R153	1-216-809-11	METAL CHIP	100	5%	1/10W
R154	1-216-809-11	METAL CHIP	100	5%	1/10W
R155	1-216-809-11	METAL CHIP	100	5%	1/10W
R156	1-216-811-11	METAL CHIP	150	5%	1/10W
R158	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R160	1-216-864-11	SHORT CHIP	0		
R162	1-216-819-11	METAL CHIP	680	5%	1/10W
R163	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R164	1-216-841-11	METAL CHIP	47K	5%	1/10W
R165	1-216-864-11	SHORT CHIP	0		
R166	1-216-864-11	SHORT CHIP	0		
R167	1-216-864-11	SHORT CHIP	0		
R168	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R169	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R172	1-216-864-11	SHORT CHIP	0		
R173	1-216-864-11	SHORT CHIP	0		
		< VIBRATOR >			
X101	1-760-841-11	VIBRATOR, CRYSTAL (45.158MHz)			

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
58	1-829-023-11	WIRE (FLAT TYPE) (23 CORE)	
103	1-828-937-11	WIRE (FLAT TYPE) (5 CORE)	
104	1-828-993-11	WIRE (FLAT TYPE) (17 CORE)	
⚠106	1-783-820-11	CORD, POWER	
154	1-828-963-11	WIRE (FLAT TYPE) (11 CORE)	
155	1-828-956-11	WIRE (FLAT TYPE) (9 CORE)	
⚠F40	1-533-689-12	FUSE, GLASS CYLINDRICAL (DIA. 5) (1A/125V)	
⚠F901	1-533-453-12	FUSE, GLASS TUBE (DIA. 5) (5A/125V)	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠T901	1-443-524-11	TRANSFORMER, POWER (MAIN)	
TN1	1-693-675-11	TUNER PACK (ANTENNA)	

REVISION HISTORY

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Also, clicking the version at the upper on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2006. 03	New